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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

5360-00001
(88226778)

Roland Meckel
Property Owner and Manager
5610 Alcoa Avenue
Vernon, CA 90058

RE: Modern Pattern & Foundry Co. Inc.
EPA ID# CAD982025488

Dear Mr. Meckel:

Enclosed is a Preliminary Assessment Report on the Modern Pattern & Foundry Co. Inc. site. This report contains the results of an evaluation conducted by Weston Solutions, Inc. for the U.S. Environmental Protection Agency (EPA) under Section 104 of the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended [42 U.S.C. 9404], commonly known as Superfund. The purpose of the Preliminary Assessment is to determine whether this site may qualify for placement on the National Priorities List (NPL).

Based on currently available information contained in the enclosed report, EPA has determined that no further assessment is warranted at this time.

Please forward any written comments on the enclosed report to:

Dawn Richmond
Site Assessment Manager
U.S. Environmental Protection Agency
75 Hawthorne Street, SFD 6-1
San Francisco, CA 94105

If you have any questions, please call Dawn Richmond at 415-972-3097.

Sincerely,

A handwritten signature in black ink, appearing to read "Deborah Schechter".

Deborah Schechter, Chief
Brownfields and Site Assessment Section
Superfund Division

Enclosure

cc: Greg Holmes, CA DTSC

EPA ID: CAD982025488 Site Name: MODERN PATTERN & FOUNDRY CO. INC. (MP)

State ID:

5360

Alias Site Names:

City: VERNON

Refer to Report Dated: 6/29/2010

County or Parrish: LOS ANGELES

State: CA

Report Developed By:

Report Type: PRELIMINARY ASSESSMENT 001

☒ 1. Further Remedial Site Assessment Under CERCLA (Superfund) is not required because:

NFRAP-Site does not qualify for the NPL based on existing information

☐ 2. Further Assessment Needed Under CERCLA:

Discussion/Rationale:


The site occupies approximately 1 acre in an industrial area of the City of Vernon. The site has operated as a foundry creating aluminum, aluminum/bronze and steel castings since 1946. There has been no known soil or groundwater sampling conducted on the site.

Depth to groundwater is approximately 20 to 43 feet and flow direction is estimated to be toward the southwest at the site. There are approximately 60 drinking water wells within 4 miles of the site that serve approximately 412,624 people. The nearest surface water body is the Los Angeles River, located approximately 1 mile southeast of the site. There are no residences, schools, daycare centers, or sensitive environments on site. The site is completely fenced and entirely paved.

The U.S. Environmental Protection Agency (EPA) has determined that no further remedial action by the Federal Superfund program is warranted at the referenced site, at this time. The basis for the no further remedial action planned (NFRAP) determination is provided in the attached document. A NFRAP designation means that no additional remedial steps under the Federal Superfund program will be taken at the site unless new information warranting further Superfund consideration or conditions not previously known to EPA regarding the site are disclosed. In accordance with EPA's decision regarding the tracking of NFRAP sites, the referenced site may be removed from the CERCLIS database and placed in a separate archival database as a historical record if no further Superfund interest is warranted. Archived sites may be returned to the CERCLIS site inventory if new information necessitating further Superfund consideration is discovered.

Site Decision Made by: D. RICHMOND

Signature:



Date: 01/27/2011

5360-00001
(8822-6778)

**Preliminary Assessment
Modern Pattern & Foundry Co. Inc.
Vernon, Los Angeles County, California**

**EPA ID NO.: CAD982025488
Contract No: W91238-06-F-0083
IA #: 95777001-0
Project No: 12767.063.566.1410**

June 2010

**Prepared for:
United States Environmental Protection Agency
Region 9**

**Prepared by:
Weston Solutions, Inc.
428 Thirteenth Ave
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List of Acronyms

1,1,1-TCA	1,1,1-trichloroethane
bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
DTSC	California Environmental Protection Agency, Department of Toxic Substances Control
EPA	United States Environmental Protection Agency
FIND	Facility Information Detail
HRS	Hazard Ranking System
mg/L	milligram per liter
MP	Modern Pattern & Foundry Co. Inc.
MWD	Metropolitan Water District
NC	Notice To Comply
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List.
PA	Preliminary Assessment
RCRIS	Resource Conservation and Recovery Information System
RWQCB	California Environmental Protection Agency, Regional Water Quality Control Board
SARA	Superfund Amendments and Reauthorization Act of 1986
SCAQMD	South Coast Air Quality Management District
WESTON	Weston Solutions, Inc.

1.0 INTRODUCTION

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), Weston Solutions, Inc. (WESTON) has been tasked to conduct a Preliminary Assessment (PA) of the Modern Pattern & Foundry Co. Inc. site (Site) in Vernon, California.

The purpose of the PA is to review existing information on the site and its environs to assess the threat(s), if any, posed to public health, welfare, or the environment and to determine if further investigation under CERCLA/SARA is warranted. The scope of the PA includes the review of information available from federal, state, tribal, and local agencies and performance of an onsite reconnaissance.

Using these sources of existing information, the site is evaluated using the United States Environmental Protection Agency's (EPA's) Hazard Ranking System (HRS) criteria to assess the relative threat associated with actual or potential releases of hazardous substances at the site. The HRS has been adopted by the EPA to help set priorities for further evaluation and eventual remedial action at hazardous waste sites. The HRS is the primary method of determining a site's eligibility for placement on the National Priorities List (NPL). The NPL identifies sites at which the EPA may conduct remedial response actions. This report summarizes the findings of these preliminary investigative activities.

The Site was identified as a potential hazardous waste site and entered into the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) on December 6, 2000 (CAD982025488) (EPA, 2010a).

More information about the Superfund program is available on the EPA web site at <http://www.epa.gov/superfund>. The attached fact sheet describes EPA's site assessment process (Appendix F).

1.1 Apparent Problem

The apparent problems at the site, which contributed to the EPA's determination that a PA was necessary, are presented below:

- The California Environmental Protection Agency, Department of Toxic Substances (DTSC) completed an EPA Region 9 Site Screening/Prioritization Checklist for the Site on December 6, 2000. According to the Site Screening 1,1,1-trichloroethane (1,1,1-TCA) may have been used at the Site from 1946 until 1988. 1,1,1-TCA was used from at least 1991 to 1997 at a rate of approximately 30 gallons per day (CVHD, 1994; DTSC, 1999).

2.0 SITE DESCRIPTION

2.1 Site Location

The Site is located at 5610 Alcoa Avenue, Vernon, CA. The Site occupies less than one acre in an industrial area. The geographic coordinates for the site are 33° 46' 22" North latitude and 118° 55' 17" West longitude. The location of the Site is shown in Figure 1 (EPA, 2010a; Appendix D).

2.2 Site Description

The Site consists of two small buildings, one made of corrugated metal, and the other constructed of brick and corrugated metal. The entire Site is fenced with concertina wire on top, and is accessible only to authorized persons. At the time of the site reconnaissance, employees were onsite, cars were present in the parking area, and forklift operations and material handling activities were observed (Appendix B). The site layout is shown in Figure 2.

The Site is bounded immediately to the north by railroad tracks and the Kagan Trim Center, an apparel accessorizing company. The Site is bounded to the east by Lubricating Specialties Company, a blender and packager of lubricating oils and greases. The Site is bounded to the south by Royal Roof Corporation, a roofing contractor, and to the west across Alcoa Avenue by Sandberg Furniture, a furniture manufacturer (Appendix B).

Run-off appears to be sheet flow west across the site to Alcoa Avenue. A roof drainpipe observed on the building empties onto the driveway along Alcoa Avenue. A storm drain is located on the curb along Alcoa Avenue just south of the Site near Royal Roof Corporation (Appendix B).

2.3 Operational History

The Modern Pattern & Foundry Co. (MP) business began operating at the Site in 1946. The Site was vacant prior to 1946. MP operated nearby the Site beginning in 1938. The Site consists of a warehouse, Building 1, a stand-alone Building 2, and a parking lot. Operations take place inside the warehouse. Building 2 was built in 1968 and contains ceramic ovens, a furnace, and stores solid metals (DTSC, 2000).

Roland Meckel is currently the owner of the Site. Mr. Meckel began working at the Site in 1967 and has functioned as General Manager at the Site from 1983 to the present. Mr. Meckel purchased the MP business and Site in 1994. E. C. Hesselberg owned the Site from 1986 time until 1994. Prior to 1986, the Site was owned by E. C. Hesselberg and two unknown shareholders. The heirs of the two unknown shareholders sold their holdings in the company 1978 and 1986 (DTSC, 2000).

The Site has operated as a foundry creating aluminum, aluminum/bronze, and steel castings since 1946. At times castings were poured directly onto the ground during early

operations. The Site was paved at an unknown time. 1,1,1-TCA may have been used at the Site from 1946 until 1988. 1,1,1-TCA was used from at least 1991 to 1997 at a rate of approximately 30 gallons per day. Formaldehyde was used prior to 1990 for an unknown amount of time (CVHD; 1994; DTSC, 2000; SCAQMD 2000).

The DTSC conducted a site reconnaissance at the Site in order to prepare an EPA Region 9 Site Screening/Prioritization Checklist for the Site in 1999. The following activities were observed at the Site. MP creates castings using wax moldings or sand moldings. Chemicals are sometimes added to metal in order to impart specific qualities to a casting. Aluminum, aluminum/bronze, and steel are stored in steel drums. A small amount of solvent is stored outside. Solvent waste is generated at a rate of 15 gallons per month. Aluminum and steel metals are stored in wooded boxes inside the warehouse. Liquids are stored in steel drums inside the warehouse. Chemicals and waste are stored in secondary containment. A typical casting created at the Site could contain 290 pounds of metal and 10 pounds of chemicals. The DTSC also noted poor housekeeping during a drive-by of the Site in 1997 (DTSC, 2000).

2.4 Regulatory Involvement

2.4.1 United States Environmental Protection Agency

The Site is not listed in the Resource Conservation and Recovery Information System (RCRIS) database as of May 20, 2010 (EPA, 2010b).

2.4.2 California Environmental Protection Agency

Department of Toxic Substances Control

The California Environmental Protection Agency, Department of Toxic Substances Control completed an EPA Region 9 Site Screening/Prioritization Checklist for the Site on December 6, 2000 (DTSC; 2000).

The Site is not listed in the DTSC Envirostor database (DTSC, 2010a).

The DTSC does not have any additional files associated with the Site (DTSC, 2010b).

Regional Water Quality Control Board

MP holds a current National Pollutant Discharge Elimination System (NPDES) permit. MP submitted a notice of intent to comply with NPDES permit requirements in 1993. The notice of intent was accepted by the California Environmental Protection Agency, Los Angeles Regional Water Quality Control Board (RWQCB) on October 20, 1993. MP submits annual review reports that include storm water sample results collected by MP. On March 3, 2010 the RWQCB notified MP that it had discharged zinc during stormwater run-off at concentrations of 17 milligrams per liter (mg/L) and 1.6 mg/L from July 2008 to July 2009. The NPDES permit allows zinc to be discharged at a concentration of 0.117 mg/L or less during stormwater run-off (RWQCB, 2009; RWQCB, 2010a).

The Site is not listed in the RWQCB Geotracker database (RWQCB, 2010b).

2.4.3 State of California Department of Resources Recycling and Recovery

The State of California Department of Resources Recycling and Recovery (formerly State of California Integrated Waste Management Board) does not have any files associated with the Site.

2.4.4 South Coast Air Quality Management District

The South Coast Air Quality Management District (SCAQMD) issued three permits to operate to MP for two sandblast cabinets, and a five horsepower local exhaust system serving the two sandblast cabinets, three double-ended buffing and grinding machines, and one single-wheel grinding machine on October 17, 1957. The permits for one sandblasting machine and the furnace were inactivated in 1968 and 1970 (SCAQMD, 1957).

The SCAQMD issued two permits to operate on August 2, 1961 for two gas-fired aluminum melting furnaces. The permits were inactivated in 1975 (SCAQMD, 1961).

The SCAQMD conducted site inspections annually from 1998 to 2008 with the exception of 2001, 2004 and 2007. The Site has 15 active permits issued by the SCAQMD for seven furnaces/ovens, three abrasive cabinets, three baghouses, one shell core machine, and one sand mixer. Records at the Site indicated that in between 1,200 and 2,900 pounds of total material and 16 to 37 pounds of resin were missed each day. Abrasive blasting devices were vented to air pollution control devices that contain mechanical gages (SCAQMD, 2010a).

Two Notices to Comply (NCs) were issued to MP after SCAQMD conducted the 2000 inspection. A NC was issued on November 17, 2000 requiring MP to prove metal certifications for all aluminum and aluminum/bronze melted. Also, MP was ordered to provide records of a total melt for aluminum and aluminum/bronze for the years 1999 and 2000. A NC was also issued requiring MP to apply for a change of permit condition in

order to reflect the correct amount of catalyst being used. MP was using more catalyst than allowed by permit (SCAQMD, 2000).

Annual emission records for 2001, 2003, 2004, 2006, and 2007 are available on the SCAQMD Facility Information Detail (FIND) website. The following toxic pollutants were emitted from the Site: ammonia, acetaldehyde, acrolein, benzene, ethyl benzene, formaldehyde, hexane, naphthalene, nickel, toluene, and xylenes (SCAQMD, 2010b).

The following SCAQMD criteria pollutants have been emitted from the Site: carbon monoxide, nitrogen oxides, reactive organic gases, sulfur oxides, and total suspended particulates (SCAQMD, 2010b).

2.4.5 City of Vernon

Health Department

The County of Los Angeles Department of Public Health does not retain records for sites located in the City of Vernon. The City of Vernon Health Department holds records for sites within the city boundary (LADEH, 2010).

The City of Vernon has conducted inspections at the Site from April 3, 1991 to the present. As a result of inspections the City of Vernon has requested that MP make specific changes such as updating hazardous materials inventory lists and properly labeling hazardous waste containers. The inspection report dated August 20, 1996 required MP to "provide secondary containment for all hazardous materials/waste stored on exterior premises" as well as to "properly label all hazardous waste containers as to content and accumulation dates." On September 25, 2002, the City of Vernon issued an Official Notice of violation to MP for failing to pay for a hazardous materials health permit. The violation was abated on October 18, 2002 (CVHD, 1996; CVHD, 2002; CVHD, 2009).

A Hazardous Materials Establishment Reporting Form completed by MP on March 18, 1992 shows the following inventory: 1,1,1-TCA, stainless steel scrap, ferro silicon alloys, low carbon iron, ferro chrome LC Lump metal alloy, Chem-Rez 244 (furfuryl alcohol, phenol, and formaldehyde), Chem-Rez catalyst mixture – sulfonic acid (sulfonic acid and inorganic acid), casting wax, Duroc (calcium sulfate and silica), hydrochloric acid, 601 Investment (silica and calcium sulfate), 903 investment (silica and calcium sulfate), fused silica, resin coated sand (silica sand with phenolic resin), silica sand, Pep Set (formaldehyde, petroleum distillates, polymeric resin), Zip Slip (silicon, heptane, and aluminum), Zip Stik (aluminum silica, silicon dioxide, and acetone), molybdenum, and nickel. 1,1,1-TCA was stored in 55-gallon drums in the southwest corner of the open yard (CVHD, 2002).

Hazardous Materials Inventories from 1992 to 2009 include the following inventory in addition to the 2002 Hazardous Materials Establishment Reporting Form: acetylene, argon, carbon dioxide, isopropyl alcohol, nitrogen, oxygen. A 1997 Hazardous Materials

Inventory Report, noted that 1,1,1-TCA was still in use and stored in the southwest corner of the open yard. The daily average use was 30 gallons per day. According to the 1998 Hazardous Materials Inventory Report of 1998, 1,1,1-TCA was no longer in use at the Site (CVHD, 1992; CVHD, 1994; CVHD, 2008).

3.0 HRS FACTORS

3.1 Sources of Contamination

For HRS purposes, a source is defined as an area where a hazardous substance has been deposited, stored, disposed, or placed, plus those soils that have become contaminated from migration of a hazardous substance.

Potential hazardous substance sources associated with the Site include, but may not be limited to:

- 1,1,1-TCA may have been used at the Site from 1946 until 1988. The Site may have been unpaved during the time 1,1,1-TCA was used. 1,1,1-TCA was used from at least 1991 to 1997 (CVHD, 1994; DTSC, 2000).
- Annual emission records for the Site during 2001, 2003, 2004, 2006, and 2007 are available on the SCAQMD FIND website. The following toxic pollutants were emitted from the Site: ammonia, acetaldehyde, acrolein, benzene, ethyl benzene, formaldehyde, hexane, naphthalene, nickel, toluene, and xylenes (SCAQMD, 2010b).

3.2 Groundwater Pathway

In determining a score for the groundwater migration pathway, the HRS evaluates: 1) the likelihood that sources at a site actually have released, or potentially could release, hazardous substances to groundwater; 2) the characteristics of the hazardous substances that are available for a release (i.e., toxicity, mobility, and quantity); and 3) the people (targets) who actually have been, or potentially could be, impacted by the release. For the targets component of the evaluation, the HRS focuses on the number of people who regularly obtain their drinking water from wells that are located within 4 miles of the site. The HRS emphasizes drinking water usage over other uses of groundwater (e.g., food crop irrigation and livestock watering), because, as a screening tool, it is designed to give the greatest weight to the most direct and extensively studied exposure routes.

3.2.1 Hydrogeological Setting

The Los Angeles Basin and adjacent mountains are part of the Transverse Ranges physiographic province that is composed of parallel, east-west trending mountain ranges and sediment-filled valleys. Large areas of the Los Angeles Basin region are underlain by surficial deposits of clay, silt, sand, and gravel deposited by rivers that coursed across the basin to the Pacific Ocean. As the boundary between ocean and river-plain deposits

shifted back and forth over the last two million years, the subsurface geology of these surficial sediments reveals a complex pattern of marine and non-marine rock bodies and zones of varying grain size, texture, and permeability. The distinctive geological structure of the Transverse Ranges is dominated by the effects of north-south compressive deformation resulting in thrust faulting, strike-slip faulting, and bedrock folding, which provides geologic insight into groundwater flow (DWR, 1968; DWR, 2004).

In the vicinity of the Site, the Coastal Plain of Los Angeles Groundwater Basin's southeastern portion is referred to as the Central Subbasin, or Central Basin. Throughout the Central Basin, groundwater occurs in Holocene and Pleistocene age sediments at relatively shallow depths and is divided into forebay and pressure areas. The Los Angeles forebay is located in the northern part of the Central Basin where the Los Angeles River enters the Central Basin through the Los Angeles Narrows from the San Fernando Groundwater Basin. The aquifers underlying the site are, in descending order: the Gaspur, Semiperched, Bellflower, Gardena, Gage, Silverado, Lynwood, and Sunnyside. Recent alluvium beneath the site includes a thin zone of fine sand underlain by the Gaspur aquifer which extends to a depth of approximately 120 feet below ground surface (bgs). Underlying the Recent alluvium, sediments of the upper Pleistocene Lakewood Formation are present to a maximum depth of approximately 480 feet bgs. Unconformably underlying the Lakewood Formation, sediments of the lower Pleistocene San Pedro Formation extend to a depth of approximately 1,400 feet. Aquifers associated with the San Pedro Formation include the Silverado, Lynwood, and Sunnyside. Throughout much of the subbasin, the aquifers are confined; however semipermeable aquicludes allow aquifers to be interconnected. Although sufficient evidence is not available at this time, aquifer interconnection between the Gaspur through the Sunnyside is projected. Unconfined groundwater conditions and relatively interconnected aquifers that extend up to 1,600 feet deep provide recharge to the aquifer system of this subbasin (DWR, 2004).

Groundwater occurs within 20 to 43 feet bgs in the City of Vernon. Groundwater flow direction is to the southwest. Historically, groundwater flow in the Central Basin has been from recharge areas in the northeast part of the subbasin, toward the Pacific Ocean on the southwest. Percolation into the Los Angeles forebay is restricted due to paving and development and lowering water levels due to pumping has decreased subsurface outflow to the southwest (CV, 2010; DWR, 2004).

3.2.2 Groundwater Targets

The nearest drinking water well is located within 0.25 to 0.5 mile of the Site (EPA, 2010c; Appendix C-1).

The California Water Service Company – East Los Angeles District operates a drinking water system that consists of 10 active wells that serve approximately 154,250 people. Currently, the California Water Service Company – East Los Angeles District obtains surface water from the Metropolitan Water District. All ten wells are located within 4 miles of the Site (CWS, 2010; EPA 2010c).

The City of Huntington Park operates a blended drinking water system that consists of six active wells that serve approximately 20,000 people. Currently, the City of Huntington Park obtains less than 40 percent of its drinking water from surface water intakes from the MWD. No individual well contributes greater than 40 percent to the system. All six wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-2).

The City of South Gate operates a blended drinking water system that consists of eight active wells that serve approximately 96,375 people. Currently, the City of South Gate obtains all of its drinking water from groundwater. No individual well contributes greater than 40 percent to the system. All eight wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-3).

The City of Vernon operates a drinking water system that consists of eight active wells that serve approximately 45,000 people. The water is not blended prior to distribution. Currently, the City of Vernon obtains approximately 27 percent of its drinking water from surface water intakes from the MWD. No individual well contributes greater than 40 percent to the system. All eight wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-1).

The Maywood Mutual Water Company #1 operates a blended drinking water system that consists of two active wells that serve approximately 5,500 people. Currently, the Maywood Mutual Water Company #1 obtains approximately 20 percent of its drinking water from surface water intakes. No individual well contributes greater than 40 percent to the system. Both of the two wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-4).

The Maywood Mutual Water Company #2 operates a blended drinking water system that consists of two active wells that serve approximately 2,500 people. Currently, the Maywood Mutual Water Company #2 obtains approximately 40 percent of its drinking water from surface water intakes. No individual well contributes greater than 40 percent to the system. Both wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-5).

The Maywood Mutual Water Company #3 operates a blended drinking water system that consists of three active wells that serve approximately 9,500 people. Currently, the Maywood Mutual Water Company # 3 obtains all of its water from groundwater wells. No individual well contributed greater than 40 percent to the system. All three of the wells are located within 4 miles of the Site (EPA 2010c, Appendix C-6).

The SCWC - Bell/Bell Gardens System operates a drinking water system that consists of six active wells that serve approximately 11,184 people. Currently, the SCWC - Bell/Bell Gardens System, obtains approximately 30 percent of its drinking water from surface water intakes from the MWD. No individual well contributes greater than 40 percent to the system. All six of the wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-7).

The SCWC - Florence/Graham System operates a blended drinking water system that consists of seven active wells that serve approximately 31,126 people. Currently, the SCWC, Florence/Graham System, obtains less than 10 percent of its drinking water from surface water intakes from the Metropolitan Water District (MWD). No individual well contributes greater than 40 percent to the system. Four of the seven wells are located within 4 miles of the Site (EPA, 2010c; Appendices C-7 and C-8).

The Tract 180 Mutual Water Company consists of two active wells that serve approximately 17,000 people (EPA, 2010c).

The Tract 349 Mutual Water Company consists of two active wells that serve approximately 7,500 people (EPA, 2010c).

The Walnut Park Mutual Water Company operates a drinking water system that consists of two active wells and one standby well that serve approximately 2,823 people. The water is not blended prior to distribution. Currently, the Walnut Park Mutual Water Company obtains all of its drinking water from groundwater. Neither well supplies greater than 40 percent to the system. Both wells are located within 4 miles of the Site (EPA, 2010c; Appendix C-9).

3.2.3 Groundwater Pathway Conclusions

There are 60 active drinking water wells within 4 miles of the Site with the nearest wells located between 0.25 and 0.5 mile to the north. A total population of approximately 412,624 is served by these wells (EPA, 2010c; Appendices C-1 to C-9).

3.3 Surface Water Pathway

In determining the score for the surface water pathway, the HRS evaluates: 1) the likelihood that sources at a site actually have released, or potentially could release, hazardous substances to surface water (e.g., streams, rivers, lakes, and oceans); 2) the characteristics of the hazardous substances that are available for a release (i.e., toxicity, persistence, bioaccumulation potential, and quantity); and 3) the people or sensitive environments (targets) who actually have been, or potentially could be, impacted by the release. For the targets component of the evaluation, the HRS focuses on drinking water intakes, fisheries, and sensitive environments associated with surface water bodies within 15 miles downstream of the Site.

The Site is located in an industrial and residential area. Stormwater run-off is likely to enter drainages. The 15-mile surface water pathway begins at the Site and runs approximately 1 mile southeast to the Los Angeles River. The slope in and around the Site is to the southeast. The surface water pathway ends in the Los Angeles River. In March 2009, the California RWQCB notified MP that it had discharged zinc during stormwater run-off at concentrations of 17 mg/L and 1.6 mg/L from July 2008 to July 2009. The NPDES permit allows zinc to be discharged at a concentration of 0.117 mg/L

or less during stormwater run-off. There are no documented drinking water intakes or sensitive environments within the target distance limit of 15 miles downstream of the Site (DWR, 1981; RWQCB, 2009).

3.4 Soil Exposure and Air Pathways

In determining the score for the soil exposure pathway, the HRS evaluates: 1) the likelihood that there is surficial contamination associated with the site (e.g., contaminated soil that is not covered by pavement or at least 2 feet of clean soil); 2) the characteristics of the hazardous substances in the surficial contamination (i.e., toxicity and quantity); and 3) the people or sensitive environments (targets) who actually have been, or potentially could be, exposed to the contamination. For the targets component of the evaluation, the HRS focuses on populations that are regularly and currently present on or within 200 feet of surficial contamination. The four populations that receive the most weight are residents, students, daycare attendees, and terrestrial sensitive environments.

In determining the score for the air migration pathway, the HRS evaluates: 1) the likelihood that sources at a site actually have released, or potentially could release, hazardous substances to ambient outdoor air; 2) the characteristics of the hazardous substances that are available for a release (i.e., toxicity, mobility, and quantity); and 3) the people or sensitive environments (targets) who actually have been, or potentially could be, impacted by the release. For the targets component of the evaluation, the HRS focuses on regularly occupied residences, schools, and workplaces within 4 miles of the site. Transient populations, such as customers and travelers passing through the area, are not counted.

The Site is located in an industrial area. The Site is currently entirely paved. Soil sampling has not been conducted at the Site. There are no daycares or schools within 200 feet of the Site (Appendix B).

4.0 EMERGENCY RESPONSE CONSIDERATIONS

The National Contingency Plan [40 CFR 300.15 (b)(2)] authorizes the EPA to consider emergency response action at those sites which pose an imminent threat to human health or the environment. For the following reasons, a referral to EPA Region 9's Emergency Response Section does not appear to be necessary:

- The Site is now completely paved. There are no residences, schools or daycare facilities on, or within 200 feet, of the Site. There are no terrestrial sensitive environments onsite (Appendix B).

5.0 SUMMARY

The Modern Pattern & Foundry Co. (MP) business began operating at the Site in 1946. The Site was vacant prior to 1946. MP operated nearby the Site beginning in 1938. The Site layout is shown in Figure 2. The Site consists of a warehouse, Building 1, a stand-alone Building 2, and a parking lot. Operations take place inside the warehouse. Building 2 was built in 1968 and contains ceramic ovens, a furnace, and stores solid metals.

Roland Meckel is currently the owner of the Site. Mr. Meckel began working at the Site in 1967 and has functioned as General Manager at the Site from 1983 to the present. Mr. Meckel purchased the MP business and Site in 1994. E. C. Hesselberg owned the Site from 1986 time until 1994. Prior to 1986, the Site was owned by E. C. Hesselberg and two unknown shareholders. The heirs of the two unknown shareholders sold their holdings in the company 1978 and 1986.

The Site has operated as a foundry creating aluminum, aluminum/bronze, and steel castings since 1946. At times castings were poured directly onto the ground during early operations. The Site was paved at an unknown time. 1,1,1-trichloroethane (1,1,1-TCA) may have been used at the Site from 1946 until 1988. 1,1,1-TCA was used from at least 1991 to 1997 at a rate of approximately 30 gallons per day. Formaldehyde was used prior to 1990 for an unknown amount of time.

The DTSC conducted site reconnaissance at the Site in order to prepare an EPA Region 9 Site Screening/Prioritization Checklist for the Site in 1999. The following activities were observed at the Site. MP creates castings using wax moldings or sand moldings. Chemicals are sometimes added to metal in order to impart specific qualities to a casting. Aluminum, aluminum/bronze, and steel are stored in steel drums. A small amount of solvent is stored outside. Solvent waste is generated at a rate of 15 per month. Aluminum and steel metals are stored in wooded boxes inside the warehouse. Liquids are stored in steel drums inside the warehouse. Chemical waste are stored in secondary containment. A typical casting created at the Site could contain 290 pounds of metal and 10 pounds of chemical. The DTSC also noted poor housekeeping during a drive-by of the Site in 1997.

The following pertinent Hazard Ranking System factors are associated with the site:

- There are 60 active drinking water wells within 4 miles of the Site with the nearest wells located between 0.25 and 0.5 miles to the north. A total population of approximately 412,624 is served by these wells.
- The Site is located in an industrial and residential area. Stormwater run-off is likely to enter drainages. The 15-mile surface water pathway begins at the Site and runs approximately 1 mile southeast to the Los Angeles River. The slope in and around the Site is to the southeast. The surface water pathway ends in the Los Angeles River. In March 2009, the California Environmental Protection Agency Regional Water Quality Control Board notified MP that it

had discharged zinc during stormwater run-off at concentrations of 17 milligrams per liter (mg/L) and 1.6 mg/L from July 2008 to July 2009. The NPDES permit allows zinc to be discharged at a concentration of 0.117 mg/L or less during stormwater run-off. There are no documented drinking water intakes or sensitive environments within the target distance limit of 15 miles downstream of the Site.

- The Site is now completely paved. There are no residences, schools or daycare facilities on, or within 200 feet, of the Site. There are no terrestrial sensitive environments onsite

6.0 REFERENCES

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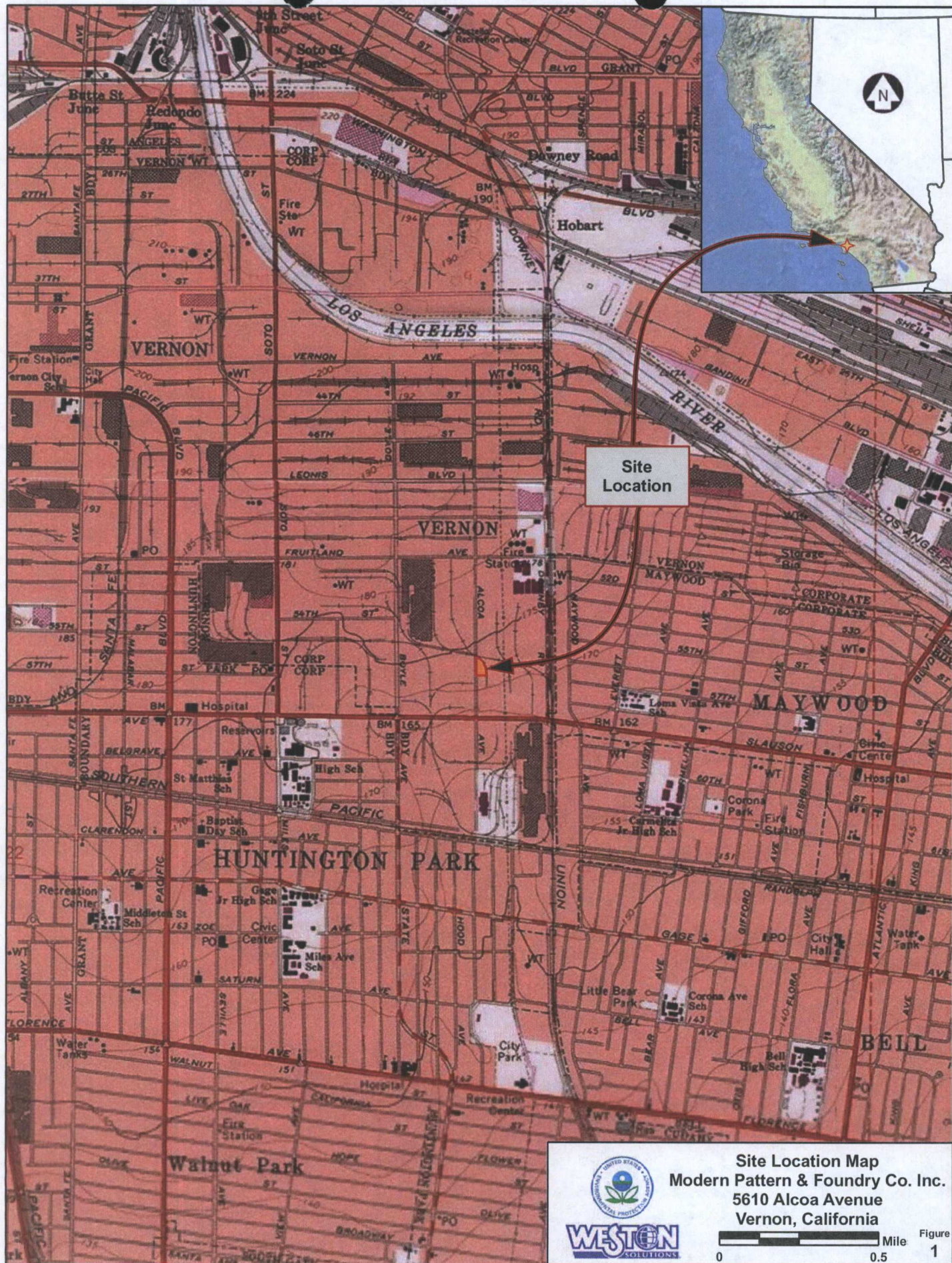
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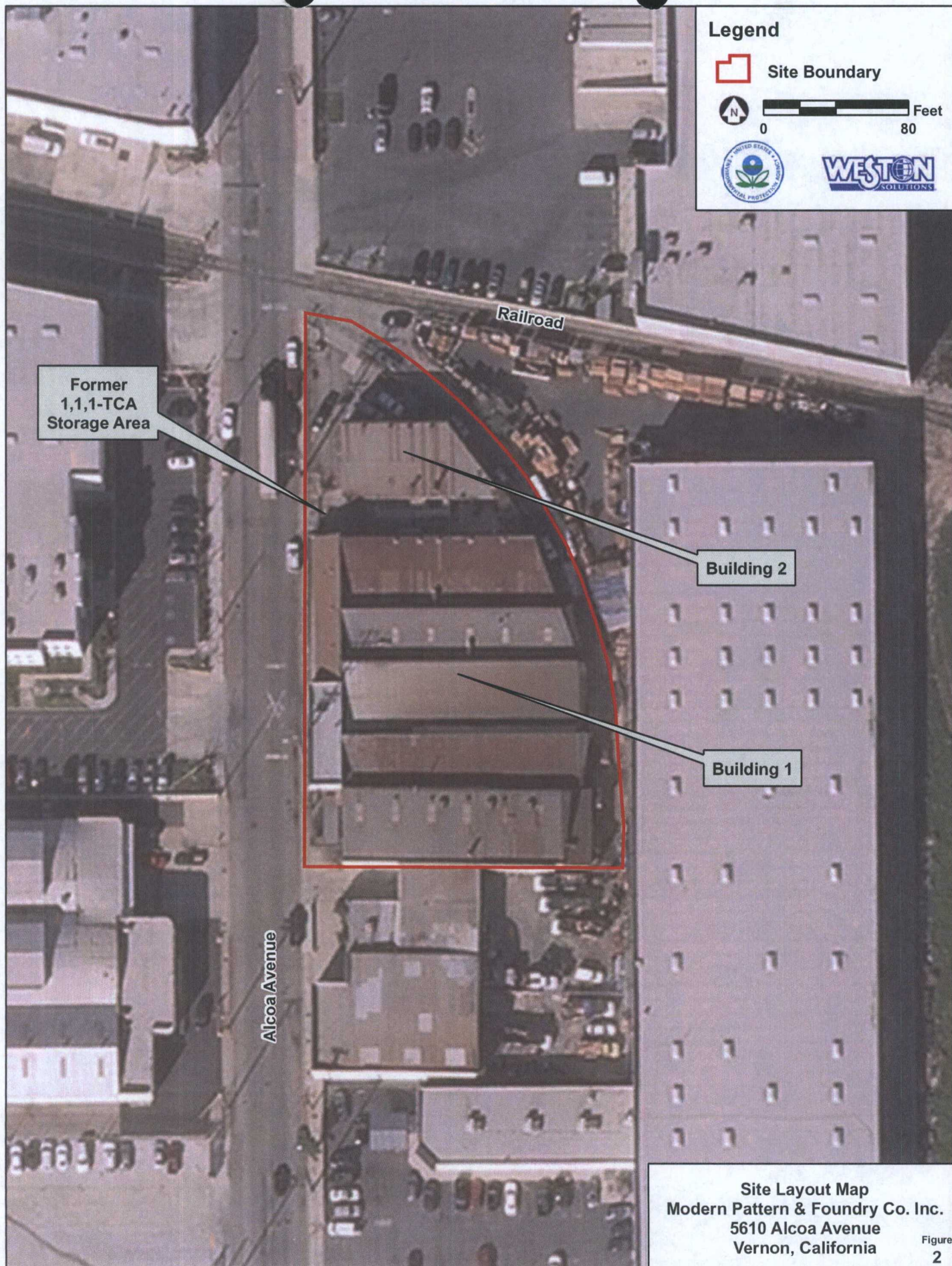
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Appendix A Transmittal List

Date: June 29, 2010

Site Name: Modern Pattern & Foundry Co. Inc.

EPA ID No.: CAD982025488

A copy of the Preliminary Assessment Report for the Modern Pattern & Foundry Co. Inc. site should be sent to the following recipients:

Roland Meckel
Property Owner and Manager
5610 Alcoa Avenue
Vernon, CA 90058

Greg Holmes
California Environmental Protection Agency
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630

File Room
California Environmental Protection Agency
Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

File Room
City of Vernon Health Department
4035 S. Santa Fe Avenue
Vernon, CA 90058

Rafael Villa
File Room
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765

Appendix A Transmittal List

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320 W. 4th Street, Suite 200
Los Angeles, CA 90013

File Room
City of Vernon Health Department
4035 S. Santa Fe Avenue
Vernon, CA 90058

Rafael Villa
File Room
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765

Appendix B
**Site Reconnaissance Interview and Observation Report/
Photographic Documentation**

SITE RECONNAISSANCE OBSERVATION REPORT

DATE: June 24, 2010

OBSERVATIONS MADE BY: Mark Dominick, Weston Solutions, Inc.

SITE: Modern Pattern & Foundry Co., Inc. (MP)

EPA ID: CAD982025488

A Site reconnaissance visit was conducted on June 24, 2010. The following information was obtained and photographs were taken:

The Modern Pattern and Foundry Company site (Site) is located at 5610 Alcoa Avenue, in Vernon, California. The Site consists of two small buildings, one made of corrugated metal, and the other constructed of brick and corrugated metal. The entire Site is fenced with concertina wire on top, and is accessible only to authorized persons. At the time of the site reconnaissance, employees were onsite, cars were present in the parking area, and forklift operations and material handling activities were observed.

The Site is bounded immediately to the north by railroad tracks and the Kagan Trim Center, an apparel accessorizing company. The Site is bounded to the east by Lubricating Specialties Company, a blender and packager of lubricating oils and greases. The Site is bounded to the south by Royal Roof Corporation, a roofing contractor, and to the west across Alcoa Avenue by Sandberg Furniture, a furniture manufacturer.

Run-off appears to be sheet flow west across the site to Alcoa Avenue. A roof drainpipe observed on the building empties onto the driveway along Alcoa Avenue. A storm drain is located on the curb along Alcoa Avenue just south of the Site near Royal Roof Corporation. No residences, schools or daycares were observed on or in the vicinity of the Site.



Photo 1: View of Site from Alcoa Avenue (facing east-northeast).



Photo 2: View of Kagan Trim Center north of the Site.



Photo 3: View of the Lubricating Specialties Company located east of the Site.



Photo 4: View of the Royal Roof Corporation located south of Site.

Appendix C Contact Log and Reports

**SITE: Modern Pattern & Foundry Co. Inc.
EPA ID NO.: CAD982025488**

Name	Affiliation	Phone	Date	Information
Hank Aceves	Southern California Water Company	(562) 907-9200 ext. 424	03/03/04	Contact Report 8
Hank Aceves	Southern California Water Company	(562) 907-9200 ext. 424	07/29/08	Contact Report 7
Beatrice	Maywood Mutual Water Company #2	(323) 581-5816	11/24/08	Contact Report 5
Chris Castillo	City of South Gate	(323) 563-5796	07/31/08	Contact Report 3
Veronica Hedley	Maywood Mutual Water Company #3	(323) 560-3657	11/04/08	Contact Report 6
Sergio Palos	Maywood Mutual Water Company #1	(323) 560-2439	09/24/08	Contact Report 4
Rosa Parra	Walnut Park Mutual Water Company	(323) 585-7321	09/24/08	Contact Report 9
Scott Rigg	City of Vernon, Water Department	(323) 583-8811 ext. 279	09/25/08	Contact Report 1
Jim Williams	Huntington Park Water Department	(323) 587-5969	11/24/03	Contact Report 2

CONTACT REPORT 1

AGENCY/AFFILIATION: City of Vernon		
DEPARTMENT: Water Department		
ADDRESS/CITY: 4305 Santa Fe Avenue, Vernon		
COUNTY/STATE/ZIP: Los Angeles, California, 90630		
CONTACT(S)	TITLE	PHONE
Scott Rigg	Water Operations Supervisor	(323) 583-8811 ext. 279
PERSON MAKING CONTACT: Amanda K.C. Reilly		DATE: 9/25/2008
SUBJECT: Drinking water well information		
SITE NAME: Modern Pattern & Foundry Co. Inc.		EPA ID#: CAD982025488

The City of Vernon Water Department operates eight active drinking water wells that serve a population of approximately 45,000. Approximately 27 percent of the water distributed by the City of Vernon comes from surface water sources purchased from the Metropolitan Water District. The remaining 73 percent distributed comes from groundwater. None of the wells supply more than 40 percent to the system. In September 2008, Well 18 was destroyed. Previous sampling had indicated Well 18 having elevated concentrations of perchlorate, 1-2-dichloroethane and trichloroethene.

Due to confidentiality of the information provided by the City of Vernon Water Department, the well location information is included in the Confidential Information Packet of the report.

CONTACT REPORT 2

AGENCY/AFFILIATION: ECO Resources, Inc./ Huntington Park Water Department		
DEPARTMENT: Water Department		
ADDRESS/CITY: 6900 Bissell Street, Huntington Park CA 90255		
CONTACT(S)	TITLE	PHONE
Jim Williams	Manager	(323) 587-5969
WESTON EMPLOYEE: Denise Leong		DATE: 11/24/03
SUBJECT: Drinking Water System		
SITE NAME: Modern Pattern & Foundry Co. Inc.		EPA ID#: CAD982025488

The Huntington Park water drinking water distribution system serves approximately 20,000 customers. The system consists of six wells and one Metropolitan Water District intake. All seven supplies currently feed the system. None of the supply sources provide more than 40 percent of the total demand at any given time. Addresses of all sources were confirmed with past contact reports.

Well #15 is treated by an air stripping system to reduce trichloroethylene (TCE) levels. Well #17 is treated with activated carbon to reduce carbon tetrachloride (CTC) levels. Volatile Organic Compound (VOC) levels do exceed the Maximum Contaminant Levels (MCLs) but are reduced to non-detect via treatment.

CONTACT REPORT 3

AGENCY/AFFILIATION: City of South Gate		
DEPARTMENT: Public Works		
ADDRESS/CITY: 4244 Santa Ana Street, South Gate		
COUNTY/STATE/ZIP: Los Angeles, California, 90280		
CONTACT(S)	TITLE	PHONE
Chris Castillo	Water Engineer	(323) 357-9657/ (323) 563-5796
PERSON MAKING CONTACT: John Walter		DATE: 7/31/2008
SUBJECT: Drinking water well information		
SITE NAME: Modern Pattern & Foundry Co. Inc.		EPA ID#: CAD982025488

The City of South Gate water distribution system serves approximately 96,375 customers. The blended system consists of eight active drinking water wells (Wells 13, 14, 18, 19, 23, 24, 26, and 27), and one inactive well (Well 25). These groundwater wells provide 100 percent of the drinking water. No single well provides more than 40 percent of the total demand at any given time.

In 2002 water quality sampling, tetrachloroethene (PCE), trichloroethylene (TCE), and hexavalent chromium has been detected. PCE has been detected in Wells 13, 14, 18, and 19. The PCE at these four wells are currently being treated at the wellhead. In standby Well 7, TCE has been found up to 8.8 micrograms per liter ($\mu\text{g/L}$) and hexavalent chromium up to 86 $\mu\text{g/L}$. In standby Well 22B, PCE has been found up to 8.8 $\mu\text{g/L}$. These wells are currently offline.

Due to confidentiality of the information provided by the City of South Gate, the well location information is included in the Confidential Information Packet of the report.

CONTACT REPORT 4

AGENCY/AFFILIATION: Maywood Mutual Water Company #1		
DEPARTMENT: Water Department		
ADDRESS/CITY: 5953 Gifford Avenue, Huntington Park		
COUNTY/STATE/ZIP: Los Angeles, California, 90255		
CONTACT(S)	TITLE	PHONE
Sergio Palos	General Manager	(323) 560-2439
PERSON MAKING CONTACT: Amanda K.C. Reilly		DATE: 9/24/2008
SUBJECT: Drinking water well information		
SITE NAME: Modern Pattern & Foundry Co. Inc.		EPA ID#: CAD982025488

The Maywood Mutual Water Company #1 operates two active drinking water wells (Well 3 and Well 4) that serve a population of 5,500. Approximately 20 percent of the water distributed is surface water purchased from Metropolitan Water District. The remaining 80 percent is groundwater. Neither of the wells provide greater than 40 percent to the system. The Silverado aquifer supplies the water for the drinking water wells. Volatile organic compounds have not been detected in either of the wells. Manganese has been detected in Well 4 at concentrations higher than the Maximum Contaminant Level (MCL). Well 3 has also had a detection of manganese, but further sampling has indicated levels below the MCL or non-detect.

Due to confidentiality of the information provided by the Maywood Mutual Water Company #1, the well location information is included in the Confidential Information Packet of the report.

CONTACT REPORT 5

AGENCY/AFFILIATION: Maywood Mutual Water Company #2		
DEPARTMENT: Water Department		
ADDRESS/CITY: 3521 Slauson Avenue, Maywood		
COUNTY/STATE/ZIP: Los Angeles, California, 90270		
CONTACT(S)	TITLE	PHONE
Beatrice	Office Clerk	(323) 581-5816
PERSON MAKING CONTACT: Amanda K.C. Reilly		DATE: 11/14/2008
SUBJECT: Drinking water well information		
SITE NAME: Modern Pattern & Foundry Co. Inc.		EPA ID#: CAD982025488

The Maywood Mutual Water Company #2 operates a drinking water supply system that contains two active drinking water wells that serve a population of approximately 2,500 people. The Maywood Mutual Water Company #2 obtains 60 percent of its drinking water from groundwater and the remaining 40 percent is surface water purchased from the Metropolitan water district. No one well contributes more than 40 percent to the system.

Due to confidentiality of the information provided by the Maywood Mutual Water Company #2, the well location information is included in the Confidential Information Packet of the report.

CONTACT REPORT 6

AGENCY/AFFILIATION: Maywood Mutual Water Company #3		
DEPARTMENT: Water Department		
ADDRESS/CITY: 6151 Heliotrope Avenue, Maywood		
COUNTY/STATE/ZIP: Los Angeles, California, 90270		
CONTACT(S)	TITLE	PHONE
Veronica Hedley	Assistant Manager	(323) 560-3657
PERSON MAKING CONTACT: Amanda K.C. Reilly		DATE: 11/14/2008
SUBJECT: Drinking water well information		
SITE NAME: Modern Pattern & Foundry Co. Inc.		EPA ID#: CAD982025488

The Maywood Mutual Water Company #3 operates a drinking water supply system that contains three active drinking water wells that serve a population of approximately 9,500 people. The Maywood Mutual Water Company #3 obtains all of its drinking water from groundwater. No one well contributes more than 40 percent to the system. There has been no contamination detected in the three drinking water wells.

CONTACT REPORT 7

AGENCY/AFFILIATION: Southern California Water Company		
DEPARTMENT: Central District		
ADDRESS/CITY: 12035 Burke Street, Suite 1, Santa Fe Springs		
COUNTY/STATE/ZIP: Los Angeles, California, 91773		
CONTACT(S)	TITLE	PHONE
Hank Aceves	Water Supply Superintendent	(562) 907-9200 ext. 424
PERSON MAKING CONTACT: John Walter		DATE: 7/29/2008
SUBJECT: Drinking water well information		
SITE NAME: Modern Pattern & Foundry Co. Inc.		EPA ID#: CAD982025488

Florence-Graham System

The blended Florence-Graham System operates 9,432 service connections (multiply by 3.3 persons per service connection equals a population of 31,126 served) and consists of seven active wells. Goodyear Well #4 was reactivated in November 2005. It is being treated for trichloroethene (TCE) and tetrachloroethene (PCE) contamination prior to distribution. No well contributes more than 40 percent to the system. Southern California Water Company (SCWC) purchases less than 10 percent of the water within the system from the Metropolitan Water District (MWD). Static groundwater level in the area is approximately 180 feet below ground level.

Bell/Bell Gardens System

The Bell/Bell Gardens System operates 3,389 service connections (multiply by 3.3 persons per service connection equals a population of 11,184 served). The system consists of six active wells (Clara #2, Gage #2, and Otis #3, Priory #2, Bissell #2, Watson #1) that supply 70 percent of the water in the system. The remaining 30 percent is provided by MWD. Otis Well #3 recently replaced wells Otis #1 and Otis #2. No individual well supplies more than 40 percent of the total supply. Watson #1 is being treated for TCE and PCE.

Due to confidentiality of the information provided by the Southern California Water Company, the well location information is included in the Confidential Information Packet of the report.

CONTACT REPORT 8

AGENCY/AFFILIATION: Southern California Water Company		
DEPARTMENT: Central District		
ADDRESS/CITY: 12035 Burke Street, Suite 1, Santa Fe Springs		
COUNTY/STATE/ZIP: Los Angeles County, CA 91773		
CONTACT(S)	TITLE	PHONE
Hank Aceves	Water Supply Superintendent	(562) 907-9200 ext. 424
PERSON MAKING CONTACT: Michelle Zehr		DATE: 03/03/04
SUBJECT: TCE Contamination		
SITE NAME: Modern Pattern & Foundry Co. Inc.		EPA ID#: CAD982025488

Florence-Graham System

Mr. Aceves confirmed that the Goodyear #4 well is offline due to detection of Volatile Organic Compounds (VOCs), specifically trichloroethene (TCE) and tetrachloroethene (PCE), in the water supply. When WESTON spoke to Mr. Aceves on December 2, 2003, Converse #1, which had been recorded as offline due to elevated TCE levels in previous contact reports, had been reactivated when VOC concentrations dropped below Maximum Contaminant Levels (MCLs). The date of reactivation prior to the December 2, 2003 conversation is unknown. On March 3, 2004, Mr. Aceves stated that as of December 4, 2003, VOC levels again exceeded MCLs and the well was taken offline. This well is currently in design for treatment. VOCs have not affected Converse #2 and the well remains active.

CONTACT REPORT 9

AGENCY/AFFILIATION: Walnut Park Mutual Water Company		
DEPARTMENT: Water Department		
ADDRESS/CITY: 2460 East Florence Avenue, Huntington Park		
COUNTY/STATE/ZIP: Los Angeles, California, 90255		
CONTACT(S)	TITLE	PHONE
Rosa Parra	Office Manager	(323) 585-7321
PERSON MAKING CONTACT: Amanda K.C. Reilly		DATE: 9/24/2008
SUBJECT: Drinking water well information		
SITE NAME: Modern Pattern & Foundry Co. Inc.		EPA ID#: CAD982025488

The Walnut Park Mutual Water Company operates two active drinking water wells (Well 10 and Well 11) that serve a population of 2,823. An additional well, Well 12, is a stand-by well and is currently non-operational and not contributing any water to the system. All of the water distributed is from groundwater. Walnut Park Mutual Water Company stopped purchasing surface water from the Metropolitan Water District in December 2006. Water from the two wells is blended evenly prior to distribution. Contamination has not been detected in either well.

Due to confidentiality of the information provided by the Walnut Park Mutual Water Company, the well location information is included in the Confidential Information Packet of the report.

Appendix D

Latitude and Longitude Calculation Worksheet

Latitude and Longitude Calculation Worksheet (7.5' quads) Using an Engineer's Scale (1/50)

Site Name CERCLIS #

AKA

Address

City State ZIP

Site Reference Point

USGS Quad Name Scale

Township Range Section

Map Datum ☐ 1927 ☐ 1983 (Check one) Meridian

Map coordinates at southeast corner of 7.5' quadrangle (attach photocopy)

Latitude E > AN Longitude E > AW

Map coordinates at southeast corner of 2.5' grid cell

Latitude E > AN Longitude E > AW

Calculations

LATITUDE(x)

A) Number of ruler graduations between 2.5' (150") grid lines (a)

B) Number of ruler graduations between south grid line and the site reference point (b)

C) Therefore, $a/150 = b/x$, where **x = Latitude in decimal seconds, north of the south grid line**

Expressed as minutes and seconds ($1' = 60''$) = E > AN

Add to grid cell latitude = E > AN + E > AN

Site latitude = E > AN"

LONGITUDE(y)

A) Number of ruler graduations between 2.5' (150") grid lines (a)

B) Number of ruler graduations between south grid line and the site reference point (b)

C) Therefore, $a/150 = b/x$, where **x = Longitude in decimal seconds, west of the east grid line**

Expressed as minutes and seconds ($1' = 60''$) = E > AW

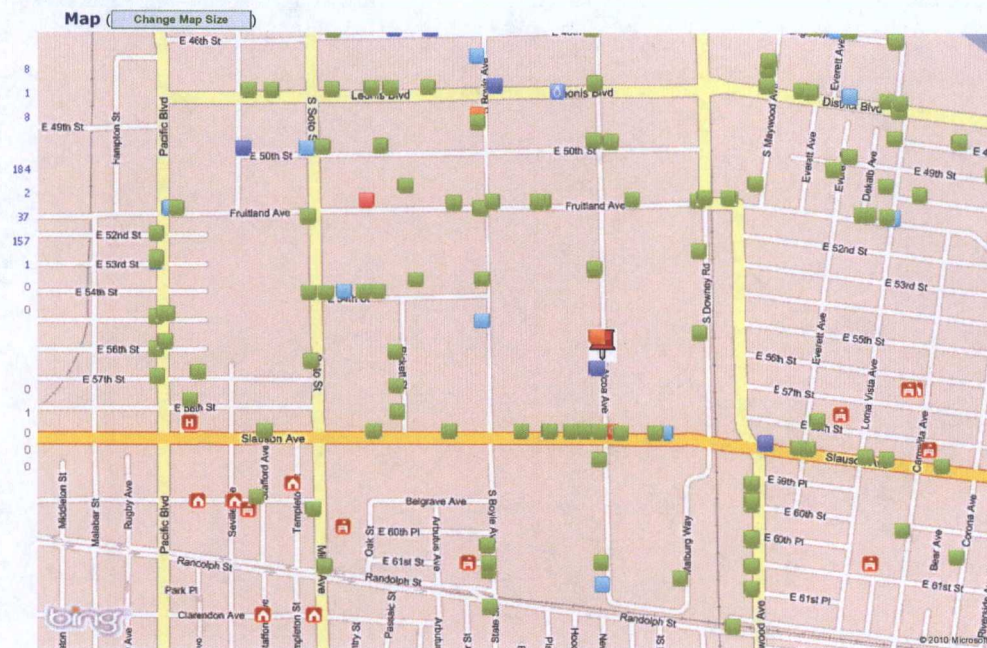
Add to grid cell longitude = E > AN + E > AN

Site longitude = E > AW@

What's Nearby

Within 1.0-mi of Modern Pattern & Foundry Co. Inc. (Mp) (Add periphery to map)

- What's nearby**
- Places**
- ☒ # of Schools
 - ☒ # of Hospitals
 - ☒ # of Churches
- Sites and Facilities**
- ☒ # of Air Emissions (AIRS/AFS)
 - ☒ # of Superfund Sites (CERCLIS)
 - ☒ # of Toxic Releases (TRI Sites)
 - ☒ # of Hazardous Waste (RCRAInfo)
 - ☒ # of Water Discharges (PCS & ICIS)
 - ☒ # of Brownfields (ACRES)
 - ☒ # of RADInfo
- Demographics**
- Environmental Concerns**
- ☒ # NWIS sites
 - ☒ # STORET sites
 - ☒ # Impaired Streams
 - ☒ # Impaired Waterbodies
 - ☒ # National Parks



Appendix E

References

CV 2010

**City of Vernon, Rigg, Scott, Email to: Fitzgerald, Tara, Re: City of Vernon
Groundwater Information, June 24, 2010**

Fitzgerald, Tara

From: Rigg, Scott [SRigg@ci.vernon.ca.us]
Sent: Thursday, June 24, 2010 10:09 AM
To: Fitzgerald, Tara
Subject: RE: City of Vernon groundwater information

No! Groundwater flow is southwest!

From: Fitzgerald, Tara [mailto:Tara.Fitzgerald@WestonSolutions.com]
Sent: Sunday, June 20, 2010 4:13 PM
To: Rigg, Scott
Subject: City of Vernon groundwater information

Dear Steve,

I am collecting water purveyor information in order to complete a Preliminary Assessment for the EPA Region 9. In September 2008, A WESTON employee discussed City of Vernon groundwater information with you. During that discussion you noted that Well 18 was destroyed due to elevated concentrations of perchlorate, 1-2-dichloroethane and trichloroethene. Has contamination of any other wells at concentrations above MCLs occurred since September 2008?

Also, do you know the groundwater flow direction in the City of Vernon?

Thank you for your help in this matter.

Sincerely,

Tara Fitzgerald

Associate Project Scientist

Weston Solutions, Inc.

428 Thirteenth Street

6th Floor, Suite B

Oakland, CA 94612

(510) 788-3805

Tara.Fitzgerald@westonsolutions.com

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CVHD 1992

**City of Vernon Health Department, Hazardous Materials Establishment
Reporting Form, Modern Pattern & Foundry Co., March 18, 1992**

HEALTH & ENVIRONMENTAL
CONTROL



Page 1 of 11

Reporting Period
1/1 to 12/31 19 90
91-92

MAR 18 1992

4305 Santa Fe Avenue, Vernon, CA 90058
(213) 583-8811, Ext. 272

FIRE DEPARTMENT COPY

1/3

PAGES

**HAZARDOUS MATERIALS ESTABLISHMENT
REPORTING FORM**

Please Use Typewriter or Print Clearly

REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

I. FACILITY & OWNER / OPERATOR IDENTIFICATION

Business Name: MODERN PATTERN & FOUNDRY CO.
Facility Street Address: 5610 Alcoa Avenue
City: Vernon, State: CA Zip Code: 90058-3793
Dun & Bradstreet No.: 00-837-9828 SIC Code (4 digit #): 3325 & 3361
Nature of Business: Ferrous and Non-Ferrous Foundry
Owner / Operator Name: MODERN PATTERN & FOUNDRY CO. Phone Number: 213-583-4921
City: Vernon, State: CA Zip Code: 90058-3793

II. EMERGENCY CONTACTS / FACILITY EMERGENCY COORDINATOR

11/13/96
Primary Name: Roland B. Meckel Secondary Name: Raphael Gonzalez
Business Phone: 213-583-4921 Business Phone: 213-583-4921
24-Hour Phone: FX-6 Personal Privacy 24-Hour Phone: FX-6 Personal Privacy
Title: President Title: Plant Superintendent
Name of Facility Emergency Coordinator if different from above: Roland B. Meckel

For State/Fed planning: ☐ We handle Extremely Hazardous Substances / Acutely Hazardous Materials

☐ There are school(s) / hospital(s) / extended care facilities within 1,000 ft. (straight line distance) of my facility.

PROPERTY OWNER'S INFORMATION

11/13/96
Name: B.C. Hasselberg and R.B. Meckel
Address: 5610 Alcoa Avenue, Vernon, CA Phone Number: 213-583-4921

PERMIT INFORMATION:

REVIEW THE LIST OF AGENCY NAMES.
IF YOUR BUSINESS HAS A PERMIT ISSUED BY
ANY OF THEM FOR HAZARDOUS
SUBSTANCES OR WASTE, GIVE THE PERMIT
NUMBER.

A. L.A. Sanitation District (Industrial Waste) 1333
B. South Coast Air Quality Management District 013030
C. Environmental Protection Agency Identification No. CAD 982025488
D. Other Agency, Specify name _____

ADMINISTERING AGENCY USE

Facility I.D. # 6148 Application Fee _____ Amendment Fee _____

I CERTIFY UNDER PENALTY OF PERJURY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I
HEREBY CONSENT TO ALL NECESSARY INSPECTIONS MADE PURSUANT TO LAW AND INCIDENTAL TO THE ISSUANCE OF THIS PERMIT.

Mel Craig
Signature of Business Owner or Authorized Representative

Mel Craig

Printed Name

Controller

Dec. 17, 1991

Title

Date

*Reviewed By 21892 LG
O.B. Posted By 2-18-92 LS*

CITY OF VERNON HAZARDOUS MATERIALS INVENTORY

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Reporting Period
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III. HAZARDOUS MATERIAL DESCRIPTIONS

DESCRIPTION					
Common Name: <u>Stainless Steel Scrap</u>		CAS #: <u>N/A</u>			
Chemical Name: <u>Steel Alloy</u>		DOT #: <u>N/A</u>			
<input type="checkbox"/> Trade Secret <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curries)		UN/NA #: _____ If Waste is checked, Annual Amount Generated: _____			
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous		GENERAL HAZARD CLASS *		
			Class <u>3</u> Description <u>Corrosive</u>		
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL		HEALTH		
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release		Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)		
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE <input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		Maximum Daily Amount <u>40,000</u> Average Daily Amount <u>5,000</u>		
			No. Days on-site <u>365</u> Largest container on-site (Amount): <u>2,650</u>		
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>245</u>	<u>E</u>	<u>1</u>	<u>4</u>	<u>2-C</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Iron</u>		2. Name <u>Nickel</u>		3. Name <u>Chromium</u>
	CAS # <u>1309-37-1% WT. 45</u>		CAS # <u>7440-02-0% WT. 36</u>		CAS # <u>7440-47-3% WT. 27</u>

DESCRIPTION					
Common Name: <u>Ferro Silicon Alloys</u>		CAS #: <u>8049-17-0</u>			
Chemical Name: <u>FeSi, Fe/2Si/5</u>		DOT #: <u>N/A</u>			
<input type="checkbox"/> Trade Secret <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curries)		UN/NA #: _____ If Waste is checked, Annual Amount Generated: _____			
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous		GENERAL HAZARD CLASS *		
			Class <u>20</u> Description <u>ORM</u>		
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL		HEALTH		
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release		Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)		
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE <input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		Maximum Daily Amount <u>10,000</u> Average Daily Amount <u>1,200</u>		
			No. Days on-site <u>365</u> Largest container on-site (Amount): <u>400</u>		
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>275</u>	<u>E</u>	<u>1</u>	<u>4</u>	<u>2-B</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Silicon</u>		2. Name <u>Iron</u>		3. Name _____
	CAS # <u>7440-21-3% WT. 90</u>		CAS # <u>1309-37-1% WT. 50</u>		CAS # _____ % WT.

Date: June 17, 1991

CITY OF VERNON HAZARDOUS MATERIALS INVENTORY

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III. HAZARDOUS MATERIAL DESCRIPTIONS

DESCRIPTION					
Common Name: <u>Low Carbon Iron</u>			CAS #: <u>1309-37-1</u>		
Chemical Name: <u>Steel Alloy</u>			DOT #: <u>N/A</u>		
<input type="checkbox"/> Trade Secret <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curries)			UN/NA #: _____ If Waste is checked, Annual Amount Generated: _____		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous		GENERAL HAZARD CLASS * Class <u>N/A</u> Description _____		
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL <input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release		HEALTH Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)		
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE <input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		Maximum Daily Amount <u>12,000</u> Average Daily Amount <u>5,000</u>		No. Days on-site <u>365</u> Largest container on-site (Amount): <u>1,200</u>
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>246</u>	<u>E</u>	<u>1</u>	<u>4</u>	<u>2-B</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Iron</u> CAS # <u>1309-37-1</u> % WT. <u>>96</u>		2. Name <u>Manganese</u> CAS # <u>7439-96-5</u> % WT. <u><2</u>		3. Name <u>Carbon</u> CAS # <u>1333-86-4</u> % WT. <u><2</u>

DESCRIPTION					
Common Name: <u>Ferro Chrome LC Lump</u>			CAS #: <u>7440-47-3</u>		
Chemical Name: <u>Metal Alloy</u>			DOT #: <u>N/A</u>		
<input type="checkbox"/> Trade Secret <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curries)			UN/NA #: _____ If Waste is checked, Annual Amount Generated: _____		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous		GENERAL HAZARD CLASS * Class <u>20</u> Description <u>ORM</u>		
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL <input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release		HEALTH Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)		
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE <input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		Maximum Daily Amount <u>8,000</u> Average Daily Amount <u>3,000</u>		No. Days on-site <u>365</u> Largest container on-site (Amount): <u>900</u>
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>215</u>	<u>E</u>	<u>1</u>	<u>4</u>	<u>2-B</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Chromium</u> CAS # <u>7440-47-3</u> % WT. <u>>70</u>		2. Name <u>Iron</u> CAS # <u>1309-37-1</u> % WT. <u><33</u>		3. Name _____ CAS # _____ % WT. _____

Date: 2-16-91

CITY OF VERNON HAZARDOUS MATERIALS INVENTORY

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III. HAZARDOUS MATERIAL DESCRIPTIONS

DESCRIPTION					
Common Name: <u>Chem-Rez 244</u>			CAS #: <u>98-00-0</u>		
Chemical Name: <u>Mixture - Furan Resin</u>			DOT #: <u>N/A</u>		
<input type="checkbox"/> Trade Secret <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - <u> </u> curries)			If Waste is checked, Annual Amount Generated: <u> </u>		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous			GENERAL HAZARD CLASS *	
				Class <u>20</u> Description <u>ORM</u>	
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL			HEALTH	
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release			Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)	
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE		Maximum Daily Amount		No. Days on-site
	<input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		<u>2,500</u>		<u>365</u>
			Average Daily Amount		Largest container on-site (Amount):
			<u>700</u>		<u>500</u>
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>120</u>	<u>E</u>	<u>1</u>	<u>4</u>	<u>1-F & Y-B</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Furfuryl Alcohol</u>		2. Name <u>Phenol</u>		3. Name <u>Formaldehyde</u>
	CAS # <u>98-00-0</u> % WT. <u>>60</u>		CAS # <u>108-95-2</u> % WT. <u><5</u>		CAS # <u>50-00-0</u> % WT. <u><1</u>

DESCRIPTION					
Common Name: <u>Chem-Rez Catalyst</u>			CAS #: <u>98-11-3</u>		
Chemical Name: <u>Mixture - Sulfonic Acid</u>			DOT #: <u>N/A</u>		
<input type="checkbox"/> Trade Secret <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - <u> </u> curries)			If Waste is checked, Annual Amount Generated: <u> </u>		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous			GENERAL HAZARD CLASS *	
				Class <u>3</u> Description <u>Corrosive</u>	
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL			HEALTH	
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release			Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)	
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE		Maximum Daily Amount		No. Days on-site
	<input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		<u>1,000</u>		<u>365</u>
			Average Daily Amount		Largest container on-site (Amount):
			<u>400</u>		<u>500</u>
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>122</u>	<u>E</u>	<u>1</u>	<u>4</u>	<u>1-F & Y-B</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Sulfonic Acid</u>		2. Name <u>Inorganic Acid</u>		3. Name <u> </u>
	CAS # <u> </u> % WT. <u>>60</u>		CAS # <u> </u> % WT. <u><10</u>		CAS # <u> </u> % WT. <u> </u>

Date: 2-16-91

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III. HAZARDOUS MATERIAL DESCRIPTIONS

DESCRIPTION					
Common Name: <u>Casting Wax</u>			CAS #: <u>N/A</u>		
Chemical Name: <u>Wax</u>			DOT #: <u>N/A</u>		
<input type="checkbox"/> Trade Secret <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - <u> </u> curries)			UN/NA #: <u> </u> If Waste is checked, Annual Amount Generated: <u> </u>		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous			GENERAL HAZARD CLASS *	
				Class <u>N/A</u> Description <u> </u>	
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL			HEALTH	
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release			Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)	
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE		Maximum Daily Amount		No. Days on-site
	<input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		<u>10,000</u>		<u>365</u>
			Average Daily Amount		Largest container on-site (Amount):
			<u>6,000</u>		<u>100</u>
STORAGE CODES & LOCATIONS: (use codes provided) *	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>198</u>	<u>L</u>	<u>1</u>	<u>4</u>	<u>1-H & 1-M</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>N/A</u>		2. Name <u> </u>		3. Name <u> </u>
	CAS # <u> </u> % WT. <u> </u>		CAS # <u> </u> % WT. <u> </u>		CAS # <u> </u> % WT. <u> </u>

DESCRIPTION					
Common Name: <u>Duroc</u>			CAS #: <u>7778-18-9</u>		
Chemical Name: <u>Calcium Sulfate Hemi</u>			DOT #: <u>N/A</u>		
<input type="checkbox"/> Trade Secret <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - <u> </u> curries)			UN/NA #: <u> </u> If Waste is checked, Annual Amount Generated: <u> </u>		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous			GENERAL HAZARD CLASS *	
				Class <u>3</u> Description <u>Corrosive</u>	
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL			HEALTH	
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release			Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)	
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE		Maximum Daily Amount		No. Days on-site
	<input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		<u>200</u>		<u>365</u>
			Average Daily Amount		Largest container on-site (Amount):
			<u>125</u>		<u>100</u>
STORAGE CODES & LOCATIONS: (use codes provided) *	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>140</u>	<u>L</u>	<u>1</u>	<u>4</u>	<u>1-H</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Calcium Sulfate</u>		2. Name <u>Silica</u>		3. Name <u> </u>
	CAS # <u>7778-18-9</u> % WT. <u>>90</u>		CAS # <u>7631-86-9</u> % WT. <u><10</u>		CAS # <u> </u> % WT. <u> </u>

Date: 7-16-91

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III. HAZARDOUS MATERIAL DESCRIPTIONS

DESCRIPTION		<u>71-55-6</u> CAS #: <u>676411</u> DOT #: <u> </u> UNNA #: <u> </u>																																			
Common Name: <u>Acetone</u> Chemical Name: <u>Trichloroethane INHIBITED</u>		If Waste is checked, Annual Amount Generated: <u> </u>																																			
<input type="checkbox"/> Trade Secret	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - <u> </u> curries)																																				
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous	GENERAL HAZARD CLASS * Class <u>9</u> Description <u>Flammable</u>																																			
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL <input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release	HEALTH Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)																																			
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE <input checked="" type="checkbox"/> gals. <input type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.	Maximum Daily Amount <u>65</u> Average Daily Amount <u>30</u>																																			
		No. Days on-site <u>365</u> Largest container on-site (Amount): <u>55</u>																																			
* STORAGE CODES & LOCATIONS: (use codes provided)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Location #</td> <td style="width: 10%;">C:</td> <td style="width: 10%;">P:</td> <td style="width: 10%;">T:</td> <td style="width: 55%;">Location (Also indicate location on site map)</td> </tr> <tr> <td><u>Y, A</u></td> <td><u>E</u></td> <td><u>1</u></td> <td><u>4</u></td> <td><u>SW corner of open yard</u></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>	Location #	C:	P:	T:	Location (Also indicate location on site map)	<u>Y, A</u>	<u>E</u>	<u>1</u>	<u>4</u>	<u>SW corner of open yard</u>																										<u>H - 2</u> <u>F - 7</u> <u>R - 0</u>
Location #	C:	P:	T:	Location (Also indicate location on site map)																																	
<u>Y, A</u>	<u>E</u>	<u>1</u>	<u>4</u>	<u>SW corner of open yard</u>																																	
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Trichloroethane</u> <u>71-55-6</u> CAS # <u>676411</u> % WT. <u>99</u>	2. Name <u> </u> CAS # <u> </u> % WT. <u> </u>																																			
		3. Name <u> </u> CAS # <u> </u> % WT. <u> </u>																																			

DESCRIPTION		CAS #: <u>7647010</u> DOT #: <u> </u> UNNA #: <u> </u>																																			
Common Name: <u>Muriatic Acid</u> Chemical Name: <u>Hydrogen Chloride</u>		If Waste is checked, Annual Amount Generated: <u> </u>																																			
<input type="checkbox"/> Trade Secret	<input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - <u> </u> curries)																																				
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous	GENERAL HAZARD CLASS * Class <u>3</u> Description <u>Corrosive</u>																																			
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL <input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release	HEALTH Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)																																			
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE <input checked="" type="checkbox"/> gals. <input type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.	Maximum Daily Amount <u>40</u> Average Daily Amount <u>20</u>																																			
		No. Days on-site <u>365</u> Largest container on-site (Amount): <u>35</u>																																			
* STORAGE CODES & LOCATIONS: (use codes provided)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Location #</td> <td style="width: 10%;">C:</td> <td style="width: 10%;">P:</td> <td style="width: 10%;">T:</td> <td style="width: 55%;">Location (Also indicate location on site map)</td> </tr> <tr> <td><u>Y, A</u></td> <td><u>E</u></td> <td><u>1</u></td> <td><u>4</u></td> <td><u>SW corner of open yard</u></td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>	Location #	C:	P:	T:	Location (Also indicate location on site map)	<u>Y, A</u>	<u>E</u>	<u>1</u>	<u>4</u>	<u>SW corner of open yard</u>																										
Location #	C:	P:	T:	Location (Also indicate location on site map)																																	
<u>Y, A</u>	<u>E</u>	<u>1</u>	<u>4</u>	<u>SW corner of open yard</u>																																	
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Hydrogen Chloride</u> CAS # <u>7647010</u> % WT. <u>99</u>	2. Name <u> </u> CAS # <u> </u> % WT. <u> </u>																																			
		3. Name <u> </u> CAS # <u> </u> % WT. <u> </u>																																			

Date: 12-16-91

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III. HAZARDOUS MATERIAL DESCRIPTIONS

DESCRIPTION					
Common Name: <u>601 Investment</u>			CAS #: <u>7631869</u>		
Chemical Name: <u>Silicon Sioxide</u>			DOT #: _____		
<input type="checkbox"/> Trade Secret <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curries)			UN/NA #: _____ If Waste is checked, Annual Amount Generated: _____		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous			GENERAL HAZARD CLASS *	
				Class <u>20</u> Description <u>ORM</u>	
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL			HEALTH	
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release			Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)	
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE		Maximum Daily Amount	No. Days on-site	
	<input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		<u>2000</u>	<u>365</u>	
			Average Daily Amount	Largest container on-site (Amount):	
			<u>300</u>	<u>70</u>	
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>#1, A</u>	<u>K</u>	<u>1</u>	<u>4</u>	<u>North wall of Bldg. #1</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Silica</u>		2. Name <u>Calcium Sulfate</u>		3. Name _____
	CAS # <u>7631869</u> % WT. <u>60</u>		CAS # <u>778189</u> % WT. <u>40</u>		CAS # _____ % WT. _____

DESCRIPTION					
Common Name: <u>903 Investment</u>			CAS #: <u>7631869</u>		
Chemical Name: <u>Silicon Sioxide</u>			DOT #: _____		
<input type="checkbox"/> Trade Secret <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curries)			UN/NA #: _____ If Waste is checked, Annual Amount Generated: _____		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous			GENERAL HAZARD CLASS *	
				Class <u>20</u> Description <u>ORM</u>	
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL			HEALTH	
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release			Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)	
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE		Maximum Daily Amount	No. Days on-site	
	<input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		<u>2000</u>	<u>365</u>	
			Average Daily Amount	Largest container on-site (Amount):	
			<u>300</u>	<u>70</u>	
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>#1, A</u>	<u>K</u>	<u>1</u>	<u>4</u>	<u>North wall of Bldg. #1.</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Silica</u>		2. Name <u>Calcium Sulfate</u>		3. Name _____
	CAS # <u>7631869</u> % WT. <u>60</u>		CAS # <u>778189</u> % WT. <u>40</u>		CAS # _____ % WT. _____

Date: 12-16-91

CITY OF VERNON HAZARDOUS MATERIALS INVENTORY

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Photocopy extra copies of this page before completing it.
REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

Reporting Period
1/1 to 12/31 19 90

III. HAZARDOUS MATERIAL DESCRIPTIONS

DESCRIPTION					
Common Name: <u>Fused Silica</u>		CAS #: <u>7631869</u>			
Chemical Name: <u>Silicon Dioxide</u>		DOT #: _____			
		UN/NA #: _____			
<input type="checkbox"/> Trade Secret	<input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curies)		If Waste is checked, Annual Amount Generated: _____		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous		GENERAL HAZARD CLASS *		
			Class <u>20</u> Description <u>ORM</u>		
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL		HEALTH		
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release		Immediate Health Delayed Health <input type="checkbox"/> (Acute) <input type="checkbox"/> (Chronic)		
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE		Maximum Daily Amount <u>22000</u>		No. Days on-site <u>365</u>
	<input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		Average Daily Amount <u>2000</u>		Largest container on-site (Amount): <u>70</u>
STORAGE CODES & LOCATIONS: (use codes provided)	* Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>#1, H</u>	<u>K</u>	<u>1</u>	<u>4</u>	<u>North end of Bldg. #1</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Silica</u>		2. Name _____		3. Name _____
	CAS # <u>7631869</u> % WT. <u>99</u>		CAS # _____ % WT. _____		CAS # _____ % WT. _____

DESCRIPTION					
Common Name: <u>Resin Coated Sand</u>		CAS #: <u>7631869</u>			
Chemical Name: <u>Silica Sand with Phenolic Resin</u>		DOT #: _____			
		UN/NA #: _____			
<input type="checkbox"/> Trade Secret	<input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curies)		If Waste is checked, Annual Amount Generated: _____		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous		GENERAL HAZARD CLASS *		
			Class <u>20</u> Description <u>ORM</u>		
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL		HEALTH		
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release		Immediate Health Delayed Health <input type="checkbox"/> (Acute) <input type="checkbox"/> (Chronic)		
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE		Maximum Daily Amount <u>5000</u>		No. Days on-site <u>365</u>
	<input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		Average Daily Amount <u>2000</u>		Largest container on-site (Amount): <u>100</u>
STORAGE CODES & LOCATIONS: (use codes provided)	* Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>#1, D</u>	<u>K</u>	<u>1</u>	<u>4</u>	<u>Center section of Bldg. #1</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Phenol</u>		2. Name <u>Silica</u>		3. Name _____
	CAS # <u>108952</u> % WT. <u>1</u>		CAS # <u>7631869</u> % WT. <u>90</u>		CAS # _____ % WT. _____

Date: 12-16-91

CITY OF VERNON HAZARDOUS MATERIALS INVENTORY

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Photocopy extra copies of this page before completing it.
REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

Reporting Period
1/1 to 12/31 19 90

III. HAZARDOUS MATERIAL DESCRIPTIONS

DESCRIPTION					
Common Name: <u>Simplot Silica Sand</u>			CAS #: <u>7631869</u>		
Chemical Name: <u>Silica</u>			DOT #: _____		
<input type="checkbox"/> Trade Secret <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curries)			UN/NA #: _____ If Waste is checked, Annual Amount Generated: _____		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous			GENERAL HAZARD CLASS *	
				Class <u>20</u> Description <u>ORM</u>	
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL			HEALTH	
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release			Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)	
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE		Maximum Daily Amount <u>23000</u>		No. Days on-site <u>365</u>
	<input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		Average Daily Amount <u>12000</u>		Largest container on-site (Amount): <u>3200</u>
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>#1, D</u>	<u>K</u>	<u>1</u>	<u>4</u>	<u>Center section of Bldg #1</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Silica</u>		2. Name _____		3. Name _____
	CAS # <u>7631869</u> % WT. <u>99</u>		CAS # _____ % WT. _____		CAS # _____ % WT. _____

DESCRIPTION					
Common Name: <u>Pep Set (Binder)</u>			CAS #: _____		
Chemical Name: <u>Polymeric Resin with Solvents</u>			DOT #: _____		
<input type="checkbox"/> Trade Secret <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curries)			UN/NA #: _____ If Waste is checked, Annual Amount Generated: _____		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous			GENERAL HAZARD CLASS *	
				Class <u>9</u> Description <u>Flammable</u>	
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL			HEALTH	
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release			Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)	
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE		Maximum Daily Amount <u>125</u>		No. Days on-site <u>365</u>
	<input type="checkbox"/> gals. <input type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		Average Daily Amount <u>60</u>		Largest container on-site (Amount): <u>55</u>
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>#1, F</u>	<u>E</u>	<u>1</u>	<u>4</u>	<u>Central section of Bldg #1</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Formaldehyde</u>		2. Name <u>Prtroleum Distillates</u>		3. Name _____
	CAS # <u>50000</u> % WT. <u>1</u>		CAS # <u>64742956</u> % WT. <u>30</u>		CAS # _____ % WT. _____

Date: 12-17-91

CITY OF VERNON HAZARDOUS MATERIALS INVENTORY

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REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

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Reporting Period
1/1 to 12/31 1990

III. HAZARDOUS MATERIAL DESCRIPTIONS

DESCRIPTION					
Common Name: <u>Zip Slip</u>			CAS #: _____		
Chemical Name: <u>Mixture</u>			DOT #: _____		
<input type="checkbox"/> Trade Secret <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curies)			UNNA #: _____ If Waste is checked, Annual Amount Generated: _____		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous			GENERAL HAZARD CLASS *	
				Class <u>9</u> Description <u>Flammable</u>	
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL			HEALTH	
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release			Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)	
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE <input checked="" type="checkbox"/> gals. <input type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		Maximum Daily Amount <u>20</u>		No. Days on-site <u>365</u>
			Average Daily Amount <u>8</u>		Largest container on-site (Amount): <u>5</u>
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>#1, G</u>	<u>H</u>	<u>1</u>	<u>4</u>	<u>Central section of Bldg #1</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Silicon</u>		2. Name <u>Heptane</u>		3. Name <u>Aluminum</u>
	CAS # <u>63148629</u> % WT. <u>5</u>		CAS # <u>142825</u> % WT. <u>80</u>		CAS # <u>7429905</u> % WT. <u>10</u>

DESCRIPTION					
Common Name: <u>Zip Stik</u>			CAS #: _____		
Chemical Name: <u>Core Paste</u>			DOT #: _____		
<input type="checkbox"/> Trade Secret <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curies)			UNNA #: _____ If Waste is checked, Annual Amount Generated: _____		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous			GENERAL HAZARD CLASS *	
				Class <u>9</u> Description <u>Flammable</u>	
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL			HEALTH	
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release			Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)	
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE <input checked="" type="checkbox"/> gals. <input type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		Maximum Daily Amount <u>20</u>		No. Days on-site <u>365</u>
			Average Daily Amount <u>8</u>		Largest container on-site (Amount): <u>5</u>
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>#1, G</u>	<u>H</u>	<u>1</u>	<u>4</u>	<u>Central section of Bldg #1</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Aluminum Silica</u>		2. Name <u>Silicon Dioxide</u>		3. Name <u>Acetone</u>
	CAS # <u>12269782</u> % WT. <u>10</u>		CAS # <u>14808607</u> % WT. <u>55</u>		CAS # <u>67641</u> % WT. <u>22</u>

Date: 12-17-91

CITY OF VERNON HAZARDOUS MATERIALS INVENTORY

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REFER TO GUIDE FOR EXPLANATION OF FORM ELEMENTS

Reporting Period
1/1 to 12/31 1990

III. HAZARDOUS MATERIAL DESCRIPTIONS

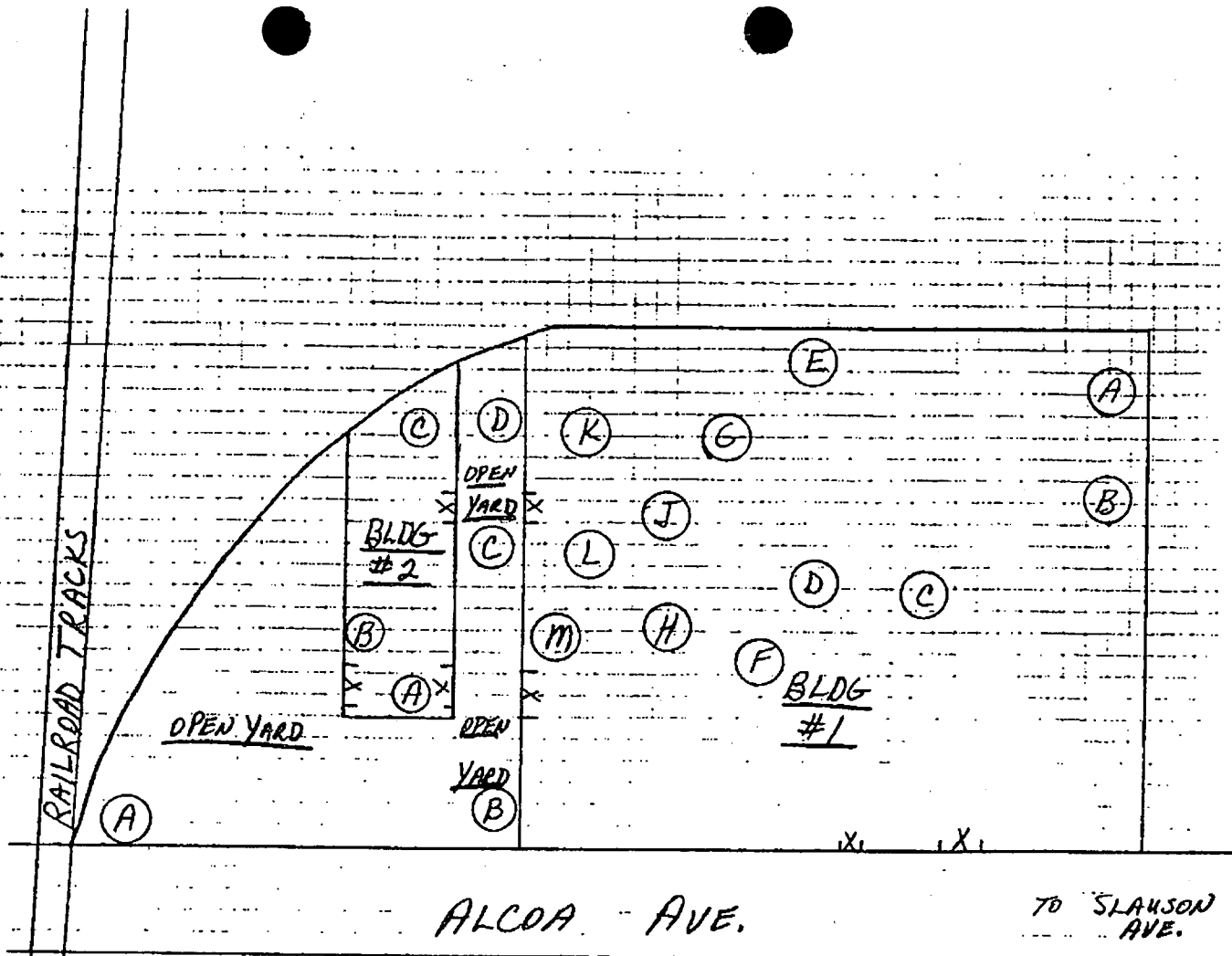
DESCRIPTION					
Common Name: <u>Molybdenum</u>			CAS #: <u>7439987</u>		
Chemical Name: <u>Ferro-Molybdenum</u>			DOT #: _____		
<input type="checkbox"/> Trade Secret <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curries)			UN/NA #: _____ If Waste is checked, Annual Amount Generated: _____		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous		GENERAL HAZARD CLASS *		
			Class <u>20</u> Description <u>ORM</u>		
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL		HEALTH		
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release		Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)		
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE		Maximum Daily Amount		No. Days on-site
	<input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		<u>200</u>		<u>365</u>
			Average Daily Amount		Largest container on-site (Amount):
			<u>70</u>		<u>100</u>
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>#2, B</u>	<u>L</u>	<u>1</u>	<u>4</u>	<u>North wall of Bldg #2</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Molybdenum</u>		2. Name <u>Iron</u>		3. Name <u>Silicon</u>
	CAS # <u>7439987</u> % WT. <u>55</u>		CAS # <u>1309371</u> % WT. <u>32</u>		CAS # <u>7440213</u> % WT. <u>2</u>

DESCRIPTION					
Common Name: <u>Nickel</u>			CAS #: <u>7440020</u>		
Chemical Name: <u>Nickel</u>			DOT #: _____		
<input type="checkbox"/> Trade Secret <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mixture <input type="checkbox"/> Waste <input type="checkbox"/> Radioactive (if radioactive - _____ curries)			UN/NA #: _____ If Waste is checked, Annual Amount Generated: _____		
WASTE CLASSIFICATION	<input type="checkbox"/> Toxic <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Extremely Hazardous		GENERAL HAZARD CLASS *		
			Class <u>20</u> Description <u>ORM</u>		
PHYSICAL & HEALTH HAZARD CATEGORIES	PHYSICAL		HEALTH		
	<input type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Sudden Pressure Release		Immediate Health <input type="checkbox"/> (Acute) Delayed Health <input type="checkbox"/> (Chronic)		
AMOUNT & TIME AT FACILITY	UNITS OF MEASURE		Maximum Daily Amount		No. Days on-site
	<input type="checkbox"/> gals. <input checked="" type="checkbox"/> lbs. <input type="checkbox"/> cu. ft.		<u>1200</u>		<u>365</u>
			Average Daily Amount		Largest container on-site (Amount):
			<u>600</u>		<u>800</u>
STORAGE CODES & LOCATIONS: (use codes provided)	Location #	C:	P:	T:	Location (Also indicate location on site map)
	<u>#2, B</u>	<u>E</u>	<u>1</u>	<u>4</u>	<u>North wall of Bldg #2</u>
MIXTURE: list the three most hazardous components (by wt.)	1. Name <u>Nickel</u>		2. Name <u>Nickel Oxide</u>		3. Name <u>Cobaltous Oxide</u>
	CAS # <u>7440020</u> % WT. <u>90</u>		CAS # <u>1313991</u> % WT. <u>3</u>		CAS # <u>1307966</u> % WT. <u>2</u>

Date: 12-17-91

ADDRESS 5610 Alcoa Ave. Veinon, CA
BUSINESS NAME MODERN PATTERN & FOUNDRY CO INC.
NEAREST CROSS STREET Slauson

PART C PAGE 1 OF 2
(Use this graph paper to indicate floor and
site plan as explained in Part B, Page 1, #3)



X1 INDICATES ENTRIES TO BLDGS.

SEE ATTACHED SHEET FOR BLDG LAYOUT

CVHD 1994

**City of Vernon Health Department, Hazardous Materials Inventory Reports
from 1994, to 2009, modern Pattern & Foundry Co., August 1, 1994 to July 8,
2009**

City of Vernon
Health Department
4305 S. Santa Fe Avenue
Vernon, CA 90058
(323) 583-8811



SECTION III - HAZARDOUS MATERIAL CERTIFICATION

Complete only one certification:

A. CERTIFICATION OF NO CHANGE IN HAZARDOUS MATERIAL INVENTORY

I hereby attest that the following statements regarding hazardous materials for the business listed on this renewal are true:

- * The information contained in the hazardous materials inventory listed in this renewal, and on file with the City of Vernon Health Department, is complete, accurate, and up to date.
- * There has been no change in the quantity of hazardous materials reported in the most recently submitted inventory.
- * No hazardous materials subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.

By:

JOHN MECKEL
(Printed name of owner or authorized representative)

[Signature]
(Signature of owner or authorized representative)

[Signature]
(Title)

Vice President

7/07/2009
(Date)

B. CERTIFICATION OF CHANGES IN HAZARDOUS MATERIAL INVENTORY

I hereby attest under penalty of law that I have personally examined and I am familiar with the changes in chemical inventory information made on this renewal and submitted to the City of Vernon Health Department. To the best of my knowledge the information being provided is accurate, complete, and true.

By:

(Printed name of owner or authorized representative)

(Title)

(Signature of owner or authorized representative)

(Date)

City of Vernon
Health Department
4305 S. Santa Fe Avenue
Vernon, CA 90058
(323) 583-8811



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JUL 08 2009

**HEALTH
DEPARTMENT**

**HAZARDOUS MATERIALS
ESTABLISHMENT INFORMATION
(PLEASE RETURN THIS INFORMATION WITH INVOICE AND PAYMENT)**

SITE: MODERN PATTERN & FOUNDRY CO INC
5610 ALCOA AVE

Facility ID

FA0001469

Invoice ID

IN0008723

Date

6/30/2009

SECTION I - EMERGENCY CONTACTS AND 24-HOUR TELEPHONE NUMBERS

EM0000406

Primary: ROLAND B. MECKEL - FX-6 Personal Privacy
Title: PRESIDENT

Secondary: JOHN MECKEL - FX-6 Personal Privacy
Title: VICE PRESIDENT

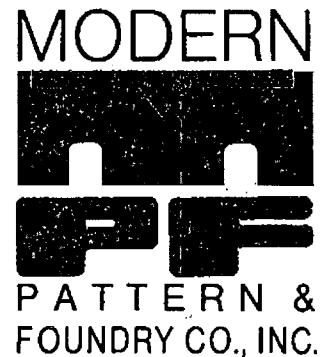
SECTION II - HAZARDOUS MATERIAL INVENTORY

A. Mobile Containers on Site (IF CHEMICAL OR SUBSTANCE HAS BEEN REMOVED FROM INVENTORY, CHECK BOX NEXT TO CHEMICAL)

REMOVED FROM INVENTORY	COMMON NAME	MAX DAILY AMOUNT	LARGEST CONTAINER	UNIT OF MEASURE	LOCATION
<input type="checkbox"/>		10000	400	LBS	BLDG.#2 DESIGNATED AS 11
<input type="checkbox"/>	ARGON	335	335	FT3	BLDG. 1, BAY1,BAY4,1B,2B,3B
<input type="checkbox"/>	CHEMREZ	2500	550	LBS	BLDG.1 BAY3 & YARD NORTHWEST 2F
<input type="checkbox"/>	CHEMREZ CATALYST	1000	550	GAL	
<input type="checkbox"/>	CHEM-REZ CATALYST 2009 Q	1000	550	LBS	G6,7,11
<input type="checkbox"/>	DUROC	200	100	LBS	DISGNATED 1G
<input type="checkbox"/>	FUSED SILICA	22000	50	LBS	BLDG.#1 BAY#5 DESIGNATED 1J & 2J
<input type="checkbox"/>	LOW CARBON IRON	12000	4000	LBS	BLDG. 2
<input type="checkbox"/>	METAL ALLOY	8000	1400	LBS	BUILDING #2 DESIGNATED AS 1-H
<input type="checkbox"/>	MOLYBDENUM	200	200	LBS	NORTHWALL BLDG.2 DESIGNATED AS 1M
<input type="checkbox"/>	MURIATIC ACID	20	1	GAL	1N YARD BETWEEN BLDG. #1 & #2
<input type="checkbox"/>	NICKEL	20	20	GAL	BLDG.#2
<input type="checkbox"/>	OXYGEN	335	335	FT3	BUILDING#1 BAY1&2
<input type="checkbox"/>	RESIN COATED SAND	5000	80	LBS	BLDG.1 BAY2 DESIGNATED AS 1R
<input type="checkbox"/>	SIMPLIT SILICA SAND	23000	6200	LBS	BLDG.1 BAY2&3 DESIGNATED 1S 2S
<input type="checkbox"/>	STAINLESS STEEL SCRAP	40000	2000	LBS	BLDG.1 BAY3 DESIGNATED AS 1U,2U
<input type="checkbox"/>	WAX	10000	70	LBS	
<input type="checkbox"/>	ZIP SLIP	20	5	GAL	BLDG.1 BAY3 DESIGNATED AS 1U,2U
<input type="checkbox"/>	ZIP STICK	20	5	GAL	BLDG.1 BAY3 DESIGNATED AS IV

5610 ALCOA AVENUE, LOS ANGELES, CALIFORNIA 90058

(213) 583-4921
FAX: 213-583-8512



July 7, 1998

RECEIVED

JUL 08 1998

HEALTH & ENVIRONMENTAL CONTROL
CITY of VERNON
4305 Santa Fe Avenue
Vernon CA 90058

HEALTH
DEPARTMENT

Re: Permit No. 6148, 6-30-98 Renewal

When our check number 4668 dated July 3, 1998 in the amount of \$ 440.50 was mailed, the permit renewal notice and the Materials Inventory Report were omitted. Instead the stubs for our utility bills were mailed with the check in error.

We apologize for this error and any inconvenience it may have caused.

Enclosed are the Permit Notice and the Inventory. Please note that two of the previously listed materials have been removed. Use of these materials have been discontinued at our facility in an effort to remove potential effects on our employees as well as the City and Community.

Thank you for your assistance in clearing up this matter.

Sincerely,

MEL CRAIG, Controller
MC/hs

Encl: Permit notice and inventory for 6-30-98

MODERN PATTERN & FOUNDRY CO.		SiteID: 019-005-006148	
Inventory Item 0018		Facility Unit: Mobile Containers on Site	
COMMON NAME / CHEMICAL NAME			
ZIP SLIP		Days On Site 365	
Location within this Facility Unit #1, G -CENTRAL SECTION OF BLDG. #1		Map:	Grid:
		CAS#	
STATE	TYPE	PRESSURE	TEMPERATURE
Liquid	Mixture	Ambient	Ambient
		CONTAINER TYPE	
		Can - 5 gallons or less	
AMOUNTS AT THIS LOCATION			
Largest Container 5.00 GAL		Daily Maximum 20.00 GAL	
		Daily Average 8.00 GAL	
HAZARDOUS COMPONENTS			
%Wt.		RS	CAS#
5.00	Silicon	No	7440213
80.00	Heptane	No	142825
10.00	Aluminum	No	7429905
HAZARD ASSESSMENTS			
TSecret	RS	BioHaz	Radioactive/Amount
No	No	No	No/ Curies
		EPA Hazards	NFPA
			/ / /
		USDOT#	MCP
			Mod
Inventory Item 0019		Facility Unit: Mobile Containers on Site	
COMMON NAME / CHEMICAL NAME			
ZIP STIK		Days On Site 365	
CORE PASTE			
Location within this Facility Unit #1, G -CENTRAL SECTION OF BLDG. #1		Map:	Grid:
		CAS#	
STATE	TYPE	PRESSURE	TEMPERATURE
Liquid	Mixture	Ambient	Ambient
		CONTAINER TYPE	
		Can - 5 gallons or less	
AMOUNTS AT THIS LOCATION			
Largest Container 5.00 GAL		Daily Maximum 20.00 GAL	
		Daily Average 8.00 GAL	
HAZARDOUS COMPONENTS			
%Wt.		RS	CAS#
10.00	Aluminum Silicate	No	1214467
55.00	Silicon Dioxide	No	7631869
22.00	Acetone	No	67641
HAZARD ASSESSMENTS			
TSecret	RS	BioHaz	Radioactive/Amount
No	No	No	No/ Curies
		EPA Hazards	NFPA
			/ / /
		USDOT#	MCP
			Mod

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 =

= Inventory Item 0016 Facility Unit: Mobile Containers on Site =

COMMON NAME / CHEMICAL NAME		Days On Site
SIMPLIST SILICA SAND SILICA		365
Location within this Facility Unit	Map:	Grid:
#1, D - CENTER SECTION OF BLDG. #1		
		CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Solid	Mixture	Ambient	Ambient	Bag

AMOUNTS AT THIS LOCATION		
Largest Container	Daily Maximum	Daily Average
6200.00 LBS	23000.00 LBS	12000.00 LBS

HAZARDOUS COMPONENTS			
%Wt.		RS	CAS#
99.00	Silica, Crystalline	No	7631869

HAZARD ASSESSMENTS							
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#	MCP
No	No	No	No/ Curies		/ / /		Min

= Inventory Item 0017 Facility Unit: Mobile Containers on Site =

COMMON NAME / CHEMICAL NAME		Days On Site
STAINLESS STEEL SCRAP STEEL ALLOY		365
Location within this Facility Unit	Map:	Grid:
(245) 2-C		
		CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Solid	Mixture	Ambient	Ambient	Steel drum

AMOUNTS AT THIS LOCATION		
Largest Container	Daily Maximum	Daily Average
2000.00 LBS	40000.00 LBS	5000.00 LBS

HAZARDOUS COMPONENTS			
%Wt.		RS	CAS#
45.00	Iron	No	7439896
30.00	Nickel	No	7440020
20.00	Chromium	No	7440473

HAZARD ASSESSMENTS							
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#	MCP
No	No	No	No/ Curies		/ / /		Min

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148

Inventory Item 0014 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME		Days On Site
PEP SET (BINDER) <i>No LONGER USED AT THIS FACILITY</i>		365
POLYMERIC RESIN WITH SOLVENTS		
Location within this Facility Unit	Map:	Grid:
#1, F - CENTER SECTION OF BLDG. #1		CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Liquid	Mixture	Ambient	Ambient	Steel drum

AMOUNTS AT THIS LOCATION		
Largest Container	Daily Maximum	Daily Average
55.00 GAL	125.00 GAL	60.00 GAL

HAZARDOUS COMPONENTS		
%Wt.		RS
1.00	Formaldehyde (EPA)	Yes
30.00	Petroleum Distillate, Straight Run Middle	No
		CAS#
		50000
		8002059

HAZARD ASSESSMENTS							
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#	MCP
No	Yes	No	No/ Curies		/ / /		Hi

Inventory Item 0015 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME		Days On Site
RESIN COATED SAND		365
SILICAN SAND WITH PHENOLIC RESIN		
Location within this Facility Unit	Map:	Grid:
#1, D - CENTER SECTION OF BLDG. #1		CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
	Mixture	Ambient	Ambient	Bag

AMOUNTS AT THIS LOCATION		
Largest Container	Daily Maximum	Daily Average
80.00 LBS	5000.00 LBS	2000.00 LBS

HAZARDOUS COMPONENTS		
%Wt.		RS
1.00	Phenol (EPA)	Yes
90.00	Silica, Crystalline	No
		CAS#
		108952
		14808607

HAZARD ASSESSMENTS							
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#	MCP
No	Yes	No	No/ Curies		/ / /		Mod

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :

Inventory Item 0023 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME NITROGEN		Days On Site 365
Location within this Facility Unit #1 E - NORTH WALL OF NON-FERROUS CASTING AREA		CAS# 7727379
STATE	TYPE	PRESSURE
Gas	Pure	Above Ambient
TEMPERATURE		CONTAINER TYPE
Ambient		Cylinder, Portable Press

AMOUNTS AT THIS LOCATION	
Largest Container 304.00 FT3	Daily Maximum 690.00 FT3
Daily Average 300.00 FT3	

HAZARDOUS COMPONENTS		RS	CAS#
%Wt. 100.00	Nitrogen	No	7727379

HAZARD ASSESSMENTS							
TSecret No	RS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards P IH	NFPA 2/0/0/	USDOT# 1066	MCP Low

Inventory Item 0024 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME OXYGEN		Days On Site 365
Location within this Facility Unit #1 F - NORTH OF SHIPPING AREA		CAS# 7782447
STATE	TYPE	PRESSURE
Gas	Pure	Above Ambient
TEMPERATURE		CONTAINER TYPE
Ambient		Cylinder, Portable Press

AMOUNTS AT THIS LOCATION	
Largest Container 281.00 FT3	Daily Maximum 1124.00 FT3
Daily Average 700.00 FT3	

HAZARDOUS COMPONENTS		RS	CAS#
%Wt. 100.00	Oxygen, Compressed	No	7782447

HAZARD ASSESSMENTS							
TSecret No	RS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards F P DH	NFPA 1/0/0/	USDOT# 1072	MCP Low

MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :
 Inventory Item 0012 Facility Unit: Mobile Containers on Site :
 COMMON NAME / CHEMICAL NAME :
 MURIATIC ACID
 HYDROGEN CHLORIDE
 Location within this Facility Unit Map: Grid:
 Y, A -SW CORNER OF OPEN YARD
 Days On Site
 365
 CAS#
 7647010

STATE TYPE PRESSURE TEMPERATURE CONTAINER TYPE
 Liquid Pure Ambient Ambient Plastic bottle or jug

AMOUNTS AT THIS LOCATION
 Largest Container Daily Maximum Daily Average
 1.00 GAL 40.00 GAL 20.00 GAL

HAZARDOUS COMPONENTS
 %Wt. RS CAS#
 99.00 Hydrogen Chloride No 7647010

HAZARD ASSESSMENTS
 TSecret RS BioHaz Radioactive/Amount EPA Hazards NFPA USDOT# MCP
 No No No No/ Curies / / / Hi

Inventory Item 0013 Facility Unit: Mobile Containers on Site :
 COMMON NAME / CHEMICAL NAME :
 NICKEL
 NICKEL
 Location within this Facility Unit Map: Grid:
 #2, B -NORTH WALL OF BLDG. #2
 Days On Site
 365
 CAS#

STATE TYPE PRESSURE TEMPERATURE CONTAINER TYPE
 Solid Mixture Ambient Ambient Box

AMOUNTS AT THIS LOCATION
 Largest Container Daily Maximum Daily Average
 22.00 LBS 600.00 LBS 200.00 LBS

HAZARDOUS COMPONENTS
 %Wt. RS CAS#
 90.00 Nickel No 7440020
 3.00 Nickel Oxide No 1313991
 2.00 Cobaltous Oxide No 1308061

HAZARD ASSESSMENTS
 TSecret RS BioHaz Radioactive/Amount EPA Hazards NFPA USDOT# MCP
 No No No No/ Curies / / / Min

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :

Inventory Item 0010 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME		Days On Site
LOW CARBON IRON STEEL ALLOY Location within this Facility Unit (246) 2-B		365
Map:	Grid:	CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Solid	Mixture	Ambient	Ambient	Steel drum

AMOUNTS AT THIS LOCATION		
Largest Container	Daily Maximum	Daily Average
4000.00 LBS	12000.00 LBS	5000.00 LBS

HAZARDOUS COMPONENTS			
%Wt.		RS	CAS#
96.00	Iron	No	7439896
2.00	Manganese	No	7439965
	Carbon, Reactive	No	7440440

HAZARD ASSESSMENTS							
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#	MCP
No	No	No	No/ Curies		/ / /		Low

Inventory Item 0011 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME		Days On Site
MOLYBDENUM FERRO-MOLYBDENUM Location within this Facility Unit #2, B -NORTH WALL OF BLDG. #2		365
Map:	Grid:	CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
	Mixture	Ambient	Ambient	Box

AMOUNTS AT THIS LOCATION		
Largest Container	Daily Maximum	Daily Average
200.00 LBS	200.00 LBS	70.00 LBS

HAZARDOUS COMPONENTS			
%Wt.		RS	CAS#
55.00	Molybdenum	No	7439987
32.00	Iron	No	7439896
2.00	Silicon	No	7440213

HAZARD ASSESSMENTS							
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#	MCP
No	No	No	No/ Curies		/ / /		Min

MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :
 Inventory Item 0008 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME		Days On Site
FUSED SILICA SILICON DIOXIDE		365
Location within this Facility Unit	Map:	Grid:
#1, H - NORTH END. OF BLDG. #1		
		CAS# 7631869

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Solid	Pure	Ambient	Ambient	Bag

Largest Container 70.00 LBS	AMOUNTS AT THIS LOCATION	
	Daily Maximum 22000.00 LBS	Daily Average 2000.00 LBS

HAZARDOUS COMPONENTS			RS	CAS#
%Wt.			No	7631869
99.00	Silica, Crystalline			

HAZARD ASSESSMENTS						
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#
No	No	No	No/ Curies		/ / /	MCP Min

Inventory Item 0009 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME		Days On Site
ISOPROPYL ALCOHOL		365
Location within this Facility Unit	Map:	Grid:
OPEN YARD, SECT. A & WASTE YARD, SECT. A		
		CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Liquid	Pure	Ambient	Ambient	Steel drum

Largest Container 55.00 GAL	AMOUNTS AT THIS LOCATION	
	Daily Maximum 55.00 GAL	Daily Average 30.00 GAL

HAZARDOUS COMPONENTS			RS	CAS#
%Wt.			No	67630
100.00	Isopropyl Alcohol			

HAZARD ASSESSMENTS						
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#
No	No	No	No/ Curies	F IH	1/3/0/	MCP Mod

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148

Inventory Item 0006 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME		Days On Site 365
FERRO CHROME LC LUMP METAL ALLOY Location within this Facility Unit Map: Grid: (215) 2-B		
		CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Liquid	Mixture	Ambient	Ambient	Steel drum

AMOUNTS AT THIS LOCATION		
Largest Container	Daily Maximum	Daily Average
2000.00 LBS	8000.00 LBS	3000.00 LBS

HAZARDOUS COMPONENTS			RS	CAS#
%Wt.			No	
70.00	Chromium		No	7440473
30.00	Iron		No	7439896

HAZARD ASSESSMENTS						
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#
No	No	No	No/ Curies		/ / /	MCP Min

Inventory Item 0007 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME		Days On Site 365
FERRO SILICON ALLOYS Location within this Facility Unit Map: Grid: (275) 2-B		
		CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Solid	Mixture	Ambient	Ambient	Steel drum

AMOUNTS AT THIS LOCATION		
Largest Container	Daily Maximum	Daily Average
400.00 LBS	10000.00 LBS	1200.00 LBS

HAZARDOUS COMPONENTS			RS	CAS#
%Wt.			No	
90.00	Silicon		No	7440213
	Iron		No	7439896

HAZARD ASSESSMENTS						
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#
No	No	No	No/ Curies		/ / /	MCP Min

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :

Inventory Item 0025 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME CHEM-REZ LA			Days On Site 365	
Location within this Facility Unit (120) 1-F & Y-B		Map:	Grid:	
			CAS#	

STATE Liquid	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Steel drum
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Largest Container 550.00 LBS	AMOUNTS AT THIS LOCATION	
	Daily Maximum 2500.00 LBS	Daily Average 700.00 LBS

HAZARDOUS COMPONENTS			RS	CAS#
%Wt.				
20.00	Fatty Acids		No	0
5.00	Resorcinol		No	108463
2.00	Methyl Alcohol		No	67561

HAZARD ASSESSMENTS							
TSecret No	RS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT#	MCP Hi

Inventory Item 0005 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME DUROC CALCIUM SULFATE HEMI			Days On Site 365	
Location within this Facility Unit (140) 1-H		Map:	Grid:	
			CAS#	

STATE Solid	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Box
----------------	-----------------	---------------------	------------------------	-----------------------

Largest Container 100.00 LBS	AMOUNTS AT THIS LOCATION	
	Daily Maximum 200.00 LBS	Daily Average 125.00 LBS

HAZARDOUS COMPONENTS			RS	CAS#
%Wt.				
90.00	Calcium Sulfate		No	7778189
10.00	Silica, Crystalline		No	14808607

HAZARD ASSESSMENTS							
TSecret No	RS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT#	MCP Min

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :
 Inventory Item 0004 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME		Days On Site
CASTING WAX		365
WAX		
Location within this Facility Unit	Map:	Grid:
(198) 1-H & 1-M		
		CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Solid	Mixture	Ambient	Ambient	Box

AMOUNTS AT THIS LOCATION	
Largest Container	Daily Maximum
70.00 LBS	10000.00 LBS
	Daily Average
	6000.00 LBS

HAZARDOUS COMPONENTS		RS	CAS#
%Wt.	Wax	No	8002742

HAZARD ASSESSMENTS						
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#
No	No	No	No/ Curies		/ / /	MCP Min

Inventory Item 0026 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME		Days On Site
CHEM-REZ CATALYST 2009 Q		365
Location within this Facility Unit		Map:
(122) 1-F & Y-B		Grid:
		CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
	Mixture	Ambient	Ambient	Steel drum

AMOUNTS AT THIS LOCATION	
Largest Container	Daily Maximum
550.00 LBS	1000.00 LBS
	Daily Average
	400.00 LBS

HAZARDOUS COMPONENTS		RS	CAS#
%Wt.	Sulfonic Acids	No	0
75.00	Sulfonic Acids	No	0
75.00	INORGANIC ACID	No	0

HAZARD ASSESSMENTS						
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#
No	No	No	No/ Curies		/ / /	MCP Mod

MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148
 Inventory Item 0021 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME		Days On Site
ARGON		365
Location within this Facility Unit	Map:	Grid:
#1 B - NORTH SECTION OF CLEANING AREA		
		CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Gas	Pure	Above Ambient	Ambient	Cylinder, Portable Press

Largest Container	AMOUNTS AT THIS LOCATION	
	Daily Maximum	Daily Average
336.00 FT3	4032.00 FT3	2500.00 FT3

HAZARDOUS COMPONENTS			RS	CAS#
%Wt.			No	
100.00	Argon			7440371

HAZARD ASSESSMENTS							
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#	MCP
No	No	No	No/ Curies	P IH	1/0/0/	1006	Min

Inventory Item 0022 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME		Days On Site
CARBON DIOXIDE		365
Location within this Facility Unit	Map:	Grid:
#1 C - NORTH OF INSPECTION AREA		
		CAS#
		124389

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Gas	Pure	Above Ambient	Ambient	Cylinder, Portable Press

Largest Container	AMOUNTS AT THIS LOCATION	
	Daily Maximum	Daily Average
150.00 FT3	500.00 FT3	200.00 FT3

HAZARDOUS COMPONENTS			RS	CAS#
%Wt.			No	
100.00	Carbon Dioxide			124389

HAZARD ASSESSMENTS							
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#	MCP
No	No	No	No/ Curies	P IH	1/0/0/	1013	Low

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148
 Inventory Item 0003 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME		Days On Site	
903 INVESTMENT SILICONE SIOXIDE		365	
Location within this Facility Unit		Map:	Grid:
#1, A - NORTH WALL OF BLDG. #1		CAS#	

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
	Mixture	Ambient	Ambient	Bag

AMOUNTS AT THIS LOCATION	
Largest Container 100.00 LBS	Daily Maximum 2000.00 LBS
Daily Average 300.00 LBS	

HAZARDOUS COMPONENTS			
%Wt.		RS	CAS#
60.00	Silica, Crystalline	No	7631869
40.00	Calcium Sulfate	No	7778189

HAZARD ASSESSMENTS						
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#
No	No	No	No/ Curies		/ / /	MCP Min

Inventory Item 0020 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME		Days On Site	
ACETYLENE		365	
Location within this Facility Unit		Map:	Grid:
#1 F - EAST OF INVESTMENT DEPT AREA		CAS#	

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Gas	Mixture	Above Ambient	Ambient	Cylinder, Portable Press

AMOUNTS AT THIS LOCATION	
Largest Container 335.00 FT3	Daily Maximum 335.00 FT3
Daily Average 100.00 FT3	

HAZARDOUS COMPONENTS			
%Wt.		RS	CAS#
100.00	Acetylene	No	74862

HAZARD ASSESSMENTS						
TSecret	RS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#
No	No	No	No/ Curies	F P IH	1/4/0/	1001
					MCP	Hi

✓
F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :
Inventory Item 0001 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME 111-TRICHLOROETHANE <i>No LONGER USED HERE</i>		Days On Site 365
Location within this Facility Unit Y, A -SW CORNER OF OPEN YARD		Map: Grid: CAS# 71556

STATE Liquid	TYPE Pure	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Steel drum
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Largest Container 55.00 GAL	AMOUNTS AT THIS LOCATION	
	Daily Maximum 65.00 GAL	Daily Average 30.00 GAL

HAZARDOUS COMPONENTS			RS	CAS#
%Wt. 99.00	1,1,1-Trichloroethane	No	No	71556

HAZARD ASSESSMENTS							
TSecret No	RS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA 2/1/0/	USDOT#	MCP Low

Inventory Item 0002 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME 601 INVESTMENT SILICON SIOXIDE		Days On Site 365
Location within this Facility Unit #1, A - NORTH WALL OF BLDG. #1		Map: Grid: CAS# 7631869

STATE	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Bag
-------	-----------------	---------------------	------------------------	-----------------------

Largest Container 100.00 LBS	AMOUNTS AT THIS LOCATION	
	Daily Maximum 2000.00 LBS	Daily Average 300.00 LBS

HAZARDOUS COMPONENTS			RS	CAS#
%Wt. 60.00	Silica, Crystalline	No	No	7631869
40.00	Calcium Sulfate	No	No	7778189

HAZARD ASSESSMENTS							
TSecret No	RS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT#	MCP Min

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148
 Hazmat Inventory By Facility Unit
 Alphabetical Order Mobile Containers on Site

Hazmat Common Name...	SpecHaz	EPA Hazards	Frm	DailyMax	Unit	MCP
111-TRICHLOROETHANE <i>USE DISCONTINUED</i>			L	65 GAL	Low	
601 INVESTMENT				2000 LBS	Min	
903 INVESTMENT				2000 LBS	Min	
ACETYLENE	F P	IH	G	335 FT3	Hi	
ARGON	P	IH	G	4032 FT3	Min	
CARBON DIOXIDE	P	IH	G	500 FT3	Low	
CASTING WAX			S	10000 LBS	Min	
CHEM-REZ CATALYST 2009 Q				1000 LBS	Mod	
CHEM-REZ LA			L	2500 LBS	Hi	
DUROC			S	200 LBS	Min	
FERRO CHROME LC LUMP			L	8000 LBS	Min	
FERRO SILICON ALLOYS			S	10000 LBS	Min	
FUSED SILICA			S	22000 LBS	Min	
ISOPROPYL ALCOHOL	F	IH	L	55 GAL	Mod	
LOW CARBON IRON			S	12000 LBS	Low	
MOLYBDENUM				200 LBS	Min	
MURIATIC ACID			L	40 GAL	Hi	
NICKEL			S	600 LBS	Min	
NITROGEN	P	IH	G	690 FT3	Low	
OXYGEN	F P	DH	G	1124 FT3	Low	
PEP SET (BINDER) <i>USE DISCONTINUED</i>			L	125 GAL	Hi	
RESIN COATED SAND				5000 LBS	Mod	
SIMPLIT SILICA SAND			S	23000 LBS	Min	
STAINLESS STEEL SCRAP			S	40000 LBS	Min	
ZIP SLIP			L	20 GAL	Mod	
ZIP STIK			L	20 GAL	Mod	

CITY OF VERNON, HAZARDOUS MATERIALS INVENTORY REPORT

= MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :

Operator: ROLAND MECKEL
Location: 5610 ALCOA AVE
City : VERNON

BusPhone: (213) 583-4921
Map : CommHaz : UnRated
Grid: : 1 AOV:

CommCode: District 1
EPA Numb: CAD982025488

SIC Code:3364
DunnBrad:00-837-9828

Emergency Contact / Title
ROLAND B. MECKEL / PRESIDENT
Business Phone: (213) 583-4921x
24-Hour Phone : FX-6 Personal Privacy
Pager Phone : () - x

Emergency Contact / Title
RAFAEL GONZALEZ / SHOP SUPT
Business Phone: (213) 583-4921x
24-Hour Phone : FX-6 Personal Privacy
Pager Phone : () - x

Hazmat Hazards: RSs

Fire Press

ImmHlth DelHlth

Contact: ROLAND MECKEL
MailAddr: FX-6 Personal Privacy
City :

Phone: (213) 583-4921x
State: CA
Zip : 90058

Propownr ROLAND B. MECKEL
Address : FX-6 Personal Privacy
City :

Phone: (213) 583-4921x
State: CA
Zip : 90058-3793

Period : to
Preparer:
Certif'd:

TotalASTs: = Gal
TotalUSTs: = Gal
RSs: Yes

Miscellaneous Information

B\L 100813, FOUNDRY OPERATIONS PRODUCING STEEL AND ALUMINUM CASTING

RECEIVED

JUL 08 1998

POSTED NIC

HEALTH
DEPT

Reviewed By: JW 17/30/98

Posted By: LS 17/30/98

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 =

F Inventory Item 0020 Facility Unit: Mobile Containers on Site =

COMMON NAME / CHEMICAL NAME ZIP SLIP		Days On Site 365
Location within this Facility Unit #1, G -CENTRAL SECTION OF BLDG. #1		CAS#

STATE Liquid	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Can - 5 gallons or less
-----------------	-----------------	---------------------	------------------------	---

AMOUNTS AT THIS LOCATION		
Largest Container 5 GAL	Daily Maximum 20.00 GAL	Daily Average 8.00 GAL

HAZARDOUS COMPONENTS			EHS	CAS#
%Wt.				
5.00	Silicon		No	7440213
80.00	Heptane		No	142825
10.00	Aluminum		No	7429905

HAZARD ASSESSMENTS						
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT# MCP Min

F Inventory Item 0021 Facility Unit: Mobile Containers on Site =

COMMON NAME / CHEMICAL NAME ZIP STIK		Days On Site 365
Location within this Facility Unit #1, G -CENTRAL SECTION OF BLDG. #1		CAS#

STATE Liquid	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Can - 5 gallons or less
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AMOUNTS AT THIS LOCATION		
Largest Container 5 GAL	Daily Maximum 20.00 GAL	Daily Average 8.00 GAL

HAZARDOUS COMPONENTS			EHS	CAS#
%Wt.				
10.00	Aluminum Silicate		No	1214467
55.00	Silicon Dioxide		No	7631869
22.00	Acetone		No	67641

HAZARD ASSESSMENTS						
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT# MCP Min

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :
 Inventory Item 0018 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME SIMPLIST SILICA SAND		Days On Site 365
Location within this Facility Unit #1, D - CENTER SECTION OF BLDG. #1		CAS#

STATE Solid	TYPE	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Bag
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AMOUNTS AT THIS LOCATION		
Largest Container 6200 LBS	Daily Maximum 23000.00 LBS	Daily Average 12000.00 LBS

HAZARDOUS COMPONENTS		EHS	CAS#
%Wt. 99.00	Silica, Crystalline	No	7631869

HAZARD ASSESSMENTS						
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT# MCP UnR

Inventory Item 0019 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME STAINLESS STEEL SCRAP		Days On Site 365
Location within this Facility Unit (245) 2-C		CAS#

STATE Solid	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Steel drum
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AMOUNTS AT THIS LOCATION		
Largest Container 2000 LBS	Daily Maximum 40000.00 LBS	Daily Average 5000.00 LBS

HAZARDOUS COMPONENTS		EHS	CAS#
%Wt. 45.00	Iron	No	7439896
30.00	Nickel	No	7440020
20.00	Chromium	No	7440473

HAZARD ASSESSMENTS						
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT# MCP Min

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :

Inventory Item 0016 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME PEP SET (BINDER)		Days On Site 365
Location within this Facility Unit #1, F - CENTER SECTION OF BLDG. #1		CAS#

STATE Liquid	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Steel drum
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AMOUNTS AT THIS LOCATION		
Largest Container 55 GAL	Daily Maximum 125.00 GAL	Daily Average 60.00 GAL

HAZARDOUS COMPONENTS			EHS	CAS#
%Wt.			Yes	
1.00	Formaldehyde (EPA)		No	50000
30.00	Petroleum Distillate, Straight Run Middle			8002059

HAZARD ASSESSMENTS							
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT#	MCP UnR

Inventory Item 0017 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME RESIN COATED SAND		Days On Site 365
Location within this Facility Unit #1, D - CENTER SECTION OF BLDG. #1		CAS#

STATE	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Bag
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AMOUNTS AT THIS LOCATION		
Largest Container 80 LBS	Daily Maximum 5000.00 LBS	Daily Average 2000.00 LBS

HAZARDOUS COMPONENTS			EHS	CAS#
%Wt.			Yes	
1.00	Phenol (EPA)		No	108952
90.00	Silica, Crystalline			14808607

HAZARD ASSESSMENTS							
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT#	MCP UnR

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148

Inventory Item 0025 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME NITROGEN		Days On Site 365
Location within this Facility Unit #1 E - NORTH WALL OF NON-FERROUS CASTING AREA		CAS# 7727379

STATE Gas	TYPE Pure	PRESSURE Above Ambient	TEMPERATURE Ambient	CONTAINER TYPE Cylinder, Portable Press
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Largest Container 304 CF FT3	AMOUNTS AT THIS LOCATION	
	Daily Maximum 690.00 FT3	Daily Average 300.00 FT3

HAZARDOUS COMPONENTS		EHS	CAS#
%Wt. 100.00	Nitrogen	No	7727379

HAZARD ASSESSMENTS							
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards P IH	NFPA / / /	USDOT#	MCP Low

Inventory Item 0026 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME OXYGEN		Days On Site 365
Location within this Facility Unit #1 F - NORTH OF SHIPPING AREA		CAS# 7782447

STATE Gas	TYPE Pure	PRESSURE Above Ambient	TEMPERATURE Ambient	CONTAINER TYPE Cylinder, Portable Press
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Largest Container 281 CF FT3	AMOUNTS AT THIS LOCATION	
	Daily Maximum 1124.00 FT3	Daily Average 700.00 FT3

HAZARDOUS COMPONENTS		EHS	CAS#
%Wt. 100.00	Oxygen, Compressed	No	7782447

HAZARD ASSESSMENTS							
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards P DH	NFPA / / /	USDOT#	MCP UnR

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148

Inventory Item 0014 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME MURIATIC ACID		Days On Site 365
Location within this Facility Unit Y, A -SW CORNER OF OPEN YARD		CAS# 7647010

STATE Liquid	TYPE Pure	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Steel drum PLASTIC BOTTLES
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Largest Container / GAL	AMOUNTS AT THIS LOCATION	
	Daily Maximum 40.00 GAL	Daily Average 20.00 GAL

HAZARDOUS COMPONENTS			EHS	CAS#
%Wt. 99.00	Hydrogen Chloride	No	7647010	

HAZARD ASSESSMENTS						
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT# MCP UnR

Inventory Item 0015 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME NICKEL		Days On Site 365
Location within this Facility Unit #2, B -NORTH WALL OF BLDG. #2		CAS#

STATE Solid	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Steel drum BAG OR BOX
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Largest Container 22 LBS	AMOUNTS AT THIS LOCATION	
	Daily Maximum 600 1200.00 LBS	Daily Average 200 600.00 LBS

HAZARDOUS COMPONENTS			EHS	CAS#
%Wt. 90.00	Nickel	No	7440020	
3.00	Nickel Oxide	No	1313991	
2.00	Cobaltous Oxide	No	1308061	

HAZARD ASSESSMENTS						
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT# MCP Min

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :

Inventory Item 0012 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME LOW CARBON IRON		Days On Site 365
Location within this Facility Unit (246) 2-B		CAS#

STATE Solid	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Steel drum
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AMOUNTS AT THIS LOCATION		
Largest Container 4000 LBS	Daily Maximum 12000.00 LBS	Daily Average 5000.00 LBS

HAZARDOUS COMPONENTS			EHS	CAS#
%Wt.				
96.00	Iron		No	7439896
2.00	Manganese		No	7439965
	Carbon, Reactive		No	7440440

HAZARD ASSESSMENTS						
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT# MCP Low

Inventory Item 0013 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME MOLYBDENUM		Days On Site 365
Location within this Facility Unit #2, B -NORTH WALL OF BLDG. #2		CAS#

STATE	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Box
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AMOUNTS AT THIS LOCATION		
Largest Container 200 LBS	Daily Maximum 200.00 LBS	Daily Average 70.00 LBS

HAZARDOUS COMPONENTS			EHS	CAS#
%Wt.				
55.00	Molybdenum		No	7439987
32.00	Iron		No	7439896
2.00	Silicon		No	7440213

HAZARD ASSESSMENTS						
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT# MCP Min

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :

Inventory Item 0010 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME FUSED SILICA		Days On Site 365
Location within this Facility Unit #1, H - NORTH END. OF BLDG. #1		CAS# 7631869

STATE Solid	TYPE Pure	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Bag
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AMOUNTS AT THIS LOCATION		
Largest Container 70 LBS	Daily Maximum 22000.00 LBS	Daily Average 2000.00 LBS

HAZARDOUS COMPONENTS		
%Wt. 99.00	Silica, Crystalline	EHS No CAS# 7631869

HAZARD ASSESSMENTS							
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT#	MCP UnR

Inventory Item 0011 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME ISOPROPYL ALCOHOL		Days On Site 365
Location within this Facility Unit OPEN YARD, SECT. A & WASTE YARD, SECT. A		CAS#

STATE Liquid	TYPE Pure	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Steel drum
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AMOUNTS AT THIS LOCATION		
Largest Container 55 GAL	Daily Maximum 55.00 GAL	Daily Average 30.00 GAL

HAZARDOUS COMPONENTS		
%Wt. 100.00	Isopropyl Alcohol	EHS No CAS# 67630

HAZARD ASSESSMENTS							
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards F IH	NFPA / / /	USDOT#	MCP UnR

F MODERN PATTERN & FOUNDRY CO.		SiteID: 019-005-006148	
Inventory Item 0008		Facility Unit: Mobile Containers on Site	
COMMON NAME / CHEMICAL NAME			
FERRO CHROME LC LUMP		Days On Site 365	
Location within this Facility Unit (215) 2-B		CAS#	

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Liquid	Mixture	Ambient	Ambient	Steel drum

Largest Container		AMOUNTS AT THIS LOCATION		Daily Average	
2000 LBS		Daily Maximum 8000.00 LBS		3000.00 LBS	

HAZARDOUS COMPONENTS				EHS	CAS#
%Wt.				No	7440473
70.00	Chromium			No	7439896
30.00	Iron				

HAZARD ASSESSMENTS						
TSecret	EHS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#
No	No	No	No/ Curies		/ / /	MCP Min

Inventory Item 0009		Facility Unit: Mobile Containers on Site	
COMMON NAME / CHEMICAL NAME			
FERRO SILICON ALLOYS		Days On Site 365	
Location within this Facility Unit (275) 2-B		CAS#	

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Solid	Mixture	Ambient	Ambient	Steel drum

Largest Container		AMOUNTS AT THIS LOCATION		Daily Average	
400 LBS		Daily Maximum 10000.00 LBS		1200.00 LBS	

HAZARDOUS COMPONENTS				EHS	CAS#
%Wt.				No	7440213
90.00	Silicon			No	7439896
	Iron				

HAZARD ASSESSMENTS						
TSecret	EHS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#
No	No	No	No/ Curies		/ / /	MCP Min

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :

Inventory Item 0006 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME		Days On Site
CHEM-REZ CATALYST 2009 Q		365
Location within this Facility Unit (122) 1-F & Y-B		CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
	Mixture	Ambient	Ambient	Steel drum

AMOUNTS AT THIS LOCATION		
Largest Container	Daily Maximum	Daily Average
550 LBS	1000.00 LBS	400.00 LBS

HAZARDOUS COMPONENTS			
%Wt.		EHS	CAS#
75 60.00	Sulfonic Acids	No	0
10.00	INORGANIC ACID	No	0

HAZARD ASSESSMENTS							
TSecret	EHS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#	MCP
No	No	No	No/ Curies		/ / /		UnR

Inventory Item 0007 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME		Days On Site
DUROC		365
Location within this Facility Unit (140) 1-H		CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
	Mixture	Ambient	Ambient	Box

AMOUNTS AT THIS LOCATION		
Largest Container	Daily Maximum	Daily Average
100 LBS	200.00 LBS	125.00 LBS

HAZARDOUS COMPONENTS			
%Wt.		EHS	CAS#
90.00	Calcium Sulfate	No	7778189
10.00	Silica, Crystalline	No	14808607

HAZARD ASSESSMENTS							
TSecret	EHS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#	MCP
No	No	No	No/ Curies		/ / /		Min

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :
 Inventory Item 0004 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME CASTING WAX		Days On Site 365
Location within this Facility Unit (198) 1-H & 1-M		CAS#

STATE	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Box
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AMOUNTS AT THIS LOCATION		
Largest Container 70 LBS	Daily Maximum 10000.00 LBS	Daily Average 6000.00 LBS

HAZARDOUS COMPONENTS		
%Wt. CASTING WAX	EHS No	CAS# 0

HAZARD ASSESSMENTS							
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT#	MCP UnR

Inventory Item 0005 *REPLACEMENT* Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME CHEM-REZ 244 LA <i>REPLACES 244 MATERIAL</i>		Days On Site 365
Location within this Facility Unit (120) 1-F & Y-B		CAS#

STATE Liquid	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Steel drum
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AMOUNTS AT THIS LOCATION		
Largest Container 550 LBS	Daily Maximum 2500.00 LBS	Daily Average 700.00 LBS

HAZARDOUS COMPONENTS		
%Wt. 70-80.00 Furfuryl Alcohol 5.00 Phenol (EPA) 1.00 Formaldehyde (EPA)	EHS No Yes Yes	CAS# 98000 108952 50000

HAZARD ASSESSMENTS							
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT#	MCP Mod

15-20 FATTY ACID

1-5 RESORCINOL

2 METHYL ALCOHOL

5-10 WATER

CAS#
TRADE SECRET

108-46-3

67-56-1

7732-18-5

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148
 Inventory Item 0023 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME		Days On Site
ARGON		365
Location within this Facility Unit #1 B - NORTH SECTION OF CLEANING AREA		CAS#

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Gas		Above Ambient	Ambient	Cylinder, Portable Press

AMOUNTS AT THIS LOCATION		
Largest Container	Daily Maximum	Daily Average
336 CF FT3	4032.00 FT3	2500.00 FT3

HAZARDOUS COMPONENTS		EHS	CAS#
%Wt.	Argon	No	7440371

HAZARD ASSESSMENTS							
TSecret	EHS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#	MCP
No	No	No	No/ Curies	P IH	/ / /		Min

Inventory Item 0024 Facility Unit: Mobile Containers on Site
 COMMON NAME / CHEMICAL NAME

CARBON DIOXIDE		Days On Site
Location within this Facility Unit #1 C - NORTH OF INSPECTION AREA		365
		CAS#
		124389

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Gas	Pure	Above Ambient	Ambient	Cylinder, Portable Press

AMOUNTS AT THIS LOCATION		
Largest Container	Daily Maximum	Daily Average
150 CF FT3	500.00 FT3	200.00 FT3

HAZARDOUS COMPONENTS		EHS	CAS#
%Wt.	Carbon Dioxide	No	124389

HAZARD ASSESSMENTS							
TSecret	EHS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#	MCP
No	No	No	No/ Curies	P IH	/ / /		Low

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148

Inventory Item 0003 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME		Days On Site
903 INVESTMENT		365
Location within this Facility Unit		CAS#
#1, A - NORTH WALL OF BLDG. #1		

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
	Mixture	Ambient	Ambient	Bag

Largest Container	AMOUNTS AT THIS LOCATION	
	Daily Maximum	Daily Average
100 LBS	2000.00 LBS	300.00 LBS

HAZARDOUS COMPONENTS			EHS	CAS#
%Wt.			No	
60.00	Silica, Crystalline		No	7631869
40.00	Calcium Sulfate		No	7778189

HAZARD ASSESSMENTS						
TSecret	EHS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#
No	No	No	No/ Curies		/ / /	MCP Min

Inventory Item 0022 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME		Days On Site
ACETYLENE		365
Location within this Facility Unit		CAS#
#1 F - EAST OF INVESTMENT DEPT AREA		

STATE	TYPE	PRESSURE	TEMPERATURE	CONTAINER TYPE
Gas	Mixture	Above Ambient	Ambient	Cylinder, Portable Press

Largest Container	AMOUNTS AT THIS LOCATION	
	Daily Maximum	Daily Average
335 CF FT3	335.00 FT3	100.00 FT3

HAZARDOUS COMPONENTS			EHS	CAS#
%Wt.			No	
100.00	Acetylene		No	74862

HAZARD ASSESSMENTS						
TSecret	EHS	BioHaz	Radioactive/Amount	EPA Hazards	NFPA	USDOT#
No	No	No	No/ Curies	F P IH	/ / /	MCP Hi

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148
Inventory Item 0001 Facility Unit: Mobile Containers on Site

COMMON NAME / CHEMICAL NAME 111-TRICHLOROETHANE		Days On Site 365
Location within this Facility Unit Y, A -SW CORNER OF OPEN YARD		CAS# 71556

STATE Liquid	TYPE Pure	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Steel drum
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Largest Container 55 GAL	AMOUNTS AT THIS LOCATION	
	Daily Maximum 65.00 GAL	Daily Average 30.00 GAL

HAZARDOUS COMPONENTS			EHS	CAS#
%Wt. 99.00	1,1,1-Trichloroethane		No	71556

HAZARD ASSESSMENTS						
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT# MCP Low

Inventory Item 0002 Facility Unit: Mobile Containers on Site :

COMMON NAME / CHEMICAL NAME 601 INVESTMENT		Days On Site 365
Location within this Facility Unit #1, A - NORTH WALL OF BLDG. #1		CAS# 7631869

STATE	TYPE Mixture	PRESSURE Ambient	TEMPERATURE Ambient	CONTAINER TYPE Bag
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Largest Container 100 LBS	AMOUNTS AT THIS LOCATION	
	Daily Maximum 2000.00 LBS	Daily Average 300.00 LBS

HAZARDOUS COMPONENTS			EHS	CAS#
%Wt. 60.00	Silica, Crystalline		No	7631869
40.00	Calcium Sulfate		No	7778189

HAZARD ASSESSMENTS						
TSecret No	EHS No	BioHaz No	Radioactive/Amount No/ Curies	EPA Hazards	NFPA / / /	USDOT# MCP Min

F MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :
 = Hazmat Inventory By Facility Unit :
 = Alphabetical Order Mobile Containers on Site :

Hazmat Common Name...	SpecHaz	EPA Hazards	Frm	DailyMax	Unit	MCP
111-TRICHLOROETHANE			L	65	GAL	Low
601 INVESTMENT				2000	LBS	Min
903 INVESTMENT				2000	LBS	Min
ACETYLENE	F P	IH	G	335	FT3	Hi
ARGON	P	IH	G	4032	FT3	Min
CARBON DIOXIDE	P	IH	G	500	FT3	Low
CASTING WAX				10000	LBS	UnR
CHEM-REZ 244 — SEE REPLACEMENT MATERIAL			L	2500	LBS	Mod
CHEM-REZ CATALYST				1000	LBS	UnR
DUROC				200	LBS	Min
FERRO CHROME LC LUMP			L	8000	LBS	Min
FERRO SILICON ALLOYS			S	10000	LBS	Min
FUSED SILICA			S	22000	LBS	UnR
ISOPROPYL ALCOHOL	F	IH	L	55	GAL	UnR
LOW CARBON IRON			S	12000	LBS	Low
MOLYBDENUM				200	LBS	Min
MURIATIC ACID			L	40	GAL	UnR
NICKEL			S	1200	LBS	Min
NITROGEN	P	IH	G	690	FT3	Low
OXYGEN	P	DH	G	1124	FT3	UnR
PEP SET (BINDER)			L	125	GAL	UnR
RESIN COATED SAND				5000	LBS	UnR
SIMPLLOT SILICA SAND			S	23000	LBS	UnR
STAINLESS STEEL SCRAP			S	40000	LBS	Min
ZIP SLIP			L	20	GAL	Min
ZIP STIK			L	20	GAL	Min

CITY OF VERNON, HAZARDOUS MATERIALS INVENTORY REPORT

MODERN PATTERN & FOUNDRY CO. SiteID: 019-005-006148 :

Operator:
Location: 5610 ALCOA AV
City : VERNON

BusPhone: (213) 583-4921
Map : CommHaz : UnRated
Grid: FacUnits: 1 AOV:

CommCode: District 1
EPA Numb:

SIC Code: 3325
DunnBrad: 00-837-9828

Emergency Contact / Title
ROLAND B. MECKEL / PRESIDENT
Business Phone: (213) 583-4921x
24-Hour Phone : FX-6 Personal Privacy
Pager Phone : () - x

Emergency Contact / Title
RAFAEL G. ONZALEZ / SHOP SUPT
Business Phone: (213) 583-4921x
24-Hour Phone : FX-6 Personal Privacy
Pager Phone : () - x

Hazmat Hazards:

Fire Press

ImmHlth DelHlth

Contact:
MailAddr: 5610 ALCOA AV
City : VERNON

Phone: (213) 583-4921x
State: CA
Zip : 90058

Propownr ROLAND B. MECKEL
Address : 5610 ALCOA AV
City : VERNON

Phone: (213) 583-4921x
State: CA
Zip : 90058-3793

Period : to
Preparer:
Certif'd:

TotalASTs: = Gal
TotalUSTs: = Gal
EHSS: No

Miscellaneous Information

B\L 100813, FOUNDRY OPERATIONS PRODUCING STEEL AND ALUMINUM CASTING

POSTED POSTED

NAME CORRECTION

GONZALEZ

RECEIVED

JUL 17 1997

HEALTH
DEPARTMENT

MAXIMUM CONTAINER

DATE:

DATA ENTERED

Reviewed By:

PMI 7/23/97

Posted By:

LSI 7/30/97

MODERN PATTERN & FOUNDRY CO. 019-005-006148
02 - Fixed Containers on Site

Hazmat Inventory Detail in Reference Number Order

02-021 ZIP STIK ? LIQUID 20 Minimal
GAL

CAS #: Trade Secret: No

Form: Unknown Type: Unknown Days: 365 Use:

Daily Max GAL	Daily Average GAL	Annual Amount GAL
20.00	8.00	240.00

Storage	Press	Temp	Location
Can - 5 gallons or less	Ambient	Ambient	#1, G -CENTRAL SECTION OF BLDG.

Conc	Components	MCP	Guide
15.0 10.0%	Aluminum Silicate VINYL POLYMER 9003-20-7	Minimal	31
55.0%	Silicon Dioxide 14808-60-7	Minimal	7
22.0%	Acetone 67-64-1	Moderate	26

MODERN PATTERN & FOUNDRY CO. 019-005-006148
02 - Fixed Containers on Site

Hazmat Inventory Detail in Reference Number Order

02-019 STAINLESS STEEL SCRAP ? SOLID 40000 Minimal
LBS

CAS #: Trade Secret: No

Form: Unknown Type: Unknown Days: 365 Use:

Daily Max LBS	Daily Average LBS	Annual Amount LBS
40,000.00	5,000.00	480,000.00

Storage	Press	Temp	Location
Steel drum	Ambient	Ambient	(245) 2-C

Conc	Components	MCP	Guid
45.0%	Iron 7439-89-6	Minimal	32
36.0%	Nickel 7748-02-0	Minimal	37
27.0%	Chromium 7440-89-6	Minimal	53

02-020 ZIP SLIP ? POWDER 20 Minimal
GAL

CAS #: Trade Secret: No

Form: Unknown Type: Unknown Days: 365 Use:

Daily Max GAL	Daily Average GAL	Annual Amount GAL
20.00	8.00	240.00

Storage	Press	Temp	Location
Can - 5 gallons or les	Ambient	Ambient	#1, G -CENTRAL SECTION OF BLDG.

Conc	Components	MCP	Guid
5.0%	Silicon 7440-21-3	Minimal	32
80.0%	Heptane 142-82-5	Moderate	27
10.0%	Aluminum 7429-90-5	Low	37

MODERN PATTERN & FOUNDRY CO. 019-005-006148
02 - Fixed Containers on Site

Hazmat Inventory Detail in Reference Number Order

02-017	RESIN COATED SAND	Solid SAND	5000 LBS	Unrated
CAS #: Trade Secret: No				
Form: Solid Type: Pure Days: 365 Use:				
Daily Max LBS		Daily Average LBS	Annual Amount LBS	
5,000.00		2,000.00	60,000.00	
Storage		Press	Temp	Location
Bag	Ambient	Ambient	#1, D	CENTER SECTION OF BLDG.
Conc	Components	MCP	Guide	
1.0%	Phenol (EPA)	108-95-2	Moderate	55
90.0%	Silica, Crystalline	7631-86-9	Minimal	7

02-018	SIMPLLOT SILICA SAND	? SAND	23000	Unrated
CAS #: Trade Secret: No				
Form: Unknown Type: Unknown Days: 365 Use:				
Daily Max		Daily Average	Annual Amount	
23,000.00		12,000.00	8,395,000.00	
Storage		Press	Temp	Location
Bag	Ambient	Ambient	#1, D	CENTER SECTION OF BLDG.
Conc	Components	MCP	Guide	
99.0%	Silica, Crystalline	7631-86-9	Minimal	7

MODERN PATTERN & FOUNDRY CO. 019-005-006148

02 - Fixed Containers on Site

Hazmat Inventory Detail in Reference Number Order

02-015 NICKEL Solid 1200 Minimal
LBS

CAS #: Trade Secret: No

Form: Solid Type: Pure Days: 365 Use:

Daily Max LBS	Daily Average LBS	Annual Amount LBS
1,200.00	600.00	14,400.00

Storage	Press	Temp	Location
Steel drum	Ambient	Ambient	#2, B -NORTH WALL OF BLDG. #2

Conc	Components	MCP	Guide
90.0%	Nickel 7740-02-0	Minimal	37
3.0%	Nickel Oxide 1313-99-1	Minimal	7
2.0%	Cobaltous Oxide 1307-96-6	Minimal	7

02-016 PEP SET (BINDER) NO LONGER USED Liquid 125 Unrated
NOR STORED 6-30-94

CAS #: Trade Secret: No

Form: Liquid Type: Pure Days: 365 Use:

Daily Max	Daily Average	Annual Amount
125.00	60.00	45,625.00

Storage	Press	Temp	Location
Steel drum	Ambient	Ambient	#1, F - CENTER SECTION OF BLDG.

Conc	Components	MCP	Guide
1.0%	Formaldehyde (EPA)	High	29
30.0%	Petroleum Distillate, Straight Run Middle	Moderate	27

MODERN PATTERN & FOUNDRY CO. 019-005-006148
02 - Fixed Containers on Site

Hazmat Inventory Detail in Reference Number Order

02-013	MOLYBDENUM	? SOLID	200 LBS	Minimal
CAS #: Trade Secret: No				
Form: Unknown Type: Unknown Days: 365 Use:				
Daily Max LBS 200.00 Daily Average LBS 70.00 Annual Amount LBS 2,400.00				
Storage Box Press Ambient Temp Ambient Location #2, B -NORTH WALL OF BLDG. #2				
Conc Components MCP Guide				
55.0%	Molybdenum	7439-98-2	Minimal	1
32.0%	Iron	7439-89-6	Minimal	32
2.0%	Silicon	7440-21-3	Minimal	32

02-014	MURIATIC ACID	Liquid	40 GAL	Unrated
CAS #: Trade Secret: No				
Form: Liquid Type: Pure Days: 365 Use:				
Daily Max GAL 40.00 Daily Average GAL 20.00 Annual Amount GAL 480.00				
Storage Steel drum Press Ambient Temp Ambient Location Y, A -SW CORNER OF OPEN YARD				
Conc Components MCP Guide				
99.0%	Hydrogen Chloride	7647-01-0	High	15

MODERN PATTERN & FOUNDRY CO. 019-005-006148
02 - Fixed Containers on Site

Hazmat Inventory Detail in Reference Number Order

02-011	ISOPROPYL ALCOHOL ► Fire, Immed Hlth	Liquid	55	Unrated
			GAL	
CAS #:	Trade Secret: No			
Form:	Liquid	Type:	Pure	Days: 365 Use:
Daily Max GAL		Daily Average GAL		Annual Amount GAL
55.00		30.00		660.00
Storage		Press	Temp	Location
Steel drum		Ambient	Ambient	OPEN YARD, SECT. A & WASTE YARD, SECT. A
Conc	Components		MCP	Guide
100.0%	Isopropyl Alcohol		Moderate	26
	62-63-0			
02-012	LOW CARBON IRON ►	? SOLID	12000	Low
			LBS	
CAS #:	Trade Secret: No			
Form:	Unknown	Type:	Unknown	Days: 365 Use:
Daily Max LBS		Daily Average LBS		Annual Amount LBS
12,000.00		5,000.00		144,000.00
Storage		Press	Temp	Location
Steel drum		Ambient	Ambient	(246) 2-B
Conc	Components		MCP	Guide
99.096.0%	Iron		Minimal	32
1.0 2.0%	Manganese		Low	1
0.0%	Carbon, Reactive		Minimal	32
	7439-89-6			
	7439-96-5			

MODERN PATTERN & FOUNDRY CO. 019-005-006148
02 - Fixed Containers on Site

Hazmat Inventory Detail in Reference Number Order

Inventory ID	Material Name	Form	Type	Days	Use	Storage	Press	Temp	Location	Daily Max LBS	Daily Average LBS	Annual Amount LBS	MCP	Guide
02-009	FERRO SILICON ALLOYS	Dust								10000	Minimal			
CAS #: Trade Secret: No														
Form: Dust Type: Pure Days: 365 Use:														
Daily Max LBS 10,000.00 Daily Average LBS 1,200.00 Annual Amount LBS 120,000.00														
Storage Steel drum Press Ambient Temp Ambient Location (275) 2-B														
Conc Components MCP Guide														
90.0% Silicon 7440-21-3 Minimal 32														
0.0% Iron 7439-89-6 Minimal 32														
02-010	FUSED SILICA	? SAND								22000	Unrated			
CAS #: Trade Secret: No														
Form: Unknown Type: Unknown Days: 365 Use:														
Daily Max LBS 22,000.00 Daily Average LBS 2,000.00 Annual Amount LBS 264,000.00														
Storage Bag Press Ambient Temp Ambient Location #1, H - NORTH END. OF BLDG. #1														
Conc Components MCP Guide														
99.0% Silica, Crystalline 7631-86-9 Minimal 7														

MODERN PATTERN & FOUNDRY CO. 019-005-006148
02 - Fixed Containers on Site

Hazmat Inventory Detail in Reference Number Order

02-007 DUROC ? SALT 200 Minimal
LBS

CAS #: Trade Secret: No

Form: Unknown Type: Unknown Days: 365 Use:

Daily Max LBS	Daily Average LBS	Annual Amount LBS
200.00	125.00	2,400.00

Storage	Press	Temp	Location
Box	Ambient	Ambient	(140) 1-H

Conc	Components	MCP	Guide
90.0%	Calcium Sulfate 7778-18-9	Minimal	7
10.0%	Silica, Crystalline 7631-86-9	Minimal	7

02-008 FERRO CHROME LC LUMP Liquid SOLID 8000 Minimal
LBS

CAS #: Trade Secret: No

Form: Liquid Type: Pure Days: 365 Use:

Daily Max LBS	Daily Average LBS	Annual Amount LBS
8,000.00	3,000.00	96,000.00

Storage	Press	Temp	Location
Steel drum	Ambient	Ambient	(215) 2-B

Conc	Components	MCP	Guide
70.0%	Chromium 7440-47-3	Minimal	53
0.0%	Iron 7439-89-6	Minimal	32

MODERN PATTERN & FOUNDRY CO. 019-005-006148
02 - Fixed Containers on Site

Hazmat Inventory Detail in Reference Number Order

02-005 CHEM-REZ ^{LA}244 Liquid 2500 Moderate
LBS

CAS #: Trade Secret: ~~NO~~ YES

Form: Liquid Type: Pure Days: 365 Use:

Daily Max LBS	Daily Average LBS	Annual Amount LBS
2,500.00	700.00	30,000.00

Storage	Press	Temp	Location
Steel drum	Ambient	Ambient	(120) 1-F & Y-B

Conc	Components	MCP	Guide
FX-4 CBI/Trade Secret		Moderate	55
		Moderate	55
	High	29	

02-006 CHEM-REZ CATALYST ? Liquid 1000 Unrated
LBS

CAS #: Trade Secret: No

Form: Unknown Type: Unknown Days: 365 Use:

Daily Max LBS	Daily Average LBS	Annual Amount LBS
1,000.00	400.00	12,000.00

Storage	Press	Temp	Location
Steel drum	Ambient	Ambient	(122) 1-F & Y-B

Conc	Components	MCP	Guide
60.0%	Sulfonic Acids	Moderate	1
10.0%	INORGANIC ACID	Unrated	0
30.0	WATER		

MODERN PATTERN & FOUNDRY CO. 019-005-006148
02 - Fixed Containers on Site

Hazmat Inventory Detail in Reference Number Order

02-003 903 INVESTMENT ? SAND 2000 Minimal
LBS

CAS #: Trade Secret: No

Form: Unknown Type: Unknown Days: 365 Use:

Daily Max LBS	Daily Average LBS	Annual Amount LBS
2,000.00	300.00	24,000.00

Storage	Press	Temp	Location
Bag	Ambient	Ambient	#1, A - NORTH WALL OF BLDG. #1

Conc	Components	MCP	Guid
60.0%	Silica, Crystalline 7631-86-9	Minimal	7
40.0%	Calcium Sulfate 7778-18-9	Minimal	7

02-004 CASTING WAX ? WAX 10000 Unrated
LBS

CAS #: NONE Trade Secret: No

Form: Unknown Type: Unknown Days: 365 Use:

Daily Max LBS	Daily Average LBS	Annual Amount LBS
10,000.00	6,000.00	120,000.00

Storage	Press	Temp	Location
Box	Ambient	Ambient	(198) 1-H & 1-M

Conc	Components	MCP	Guid
0.0%	CASTING WAX	Unrated	0

Lead
Component B

MODERN PATTERN & FOUNDRY CO. 019-005-00614
Overall Site with 1 Fac. Unit

RECEIVED

AUG 01 1994

General Information

HEALTH AND ENVIRONMENTAL
CONTROL SECTION

Location: 5610 ALCOA AV
City :

Map: Hazard: Unrated
Grid: F/U: 1 AOV: 0.0

Contact Name Title
ROLAND B. MECKEL / PRESIDENT
Business Phone: (213) 583-4921x
24-Hour Phone : FX-6 Personal Privacy
Pager Phone : () - x

Contact Name Title
" JUAN FRAUSTO / " SHOP Supt.
Business Phone: (213) 583-4921x
24-Hour Phone : FX-6 Personal Privacy
Pager Phone : () - x

Administrative Data
Mail Addr: 5610 ALCOA AV D&B Number: 100813
City: VERNON State: CA Zip: 90058-3793
Comm Code: 019-003 SIC Code: 3325

Owner: ROLAND B. MECKEL
Address: FX-6 Personal Privacy
City:

Phone: (213) 583-4921
State: CA
Zip: 90058-3793

Summary

POSTED

DATE:

Reviewed By: _____

Posted By: _____

MODERN PATTERN & FOUNDRY CO. 019-005-006148
02 - Fixed Containers on Site

Hazmat Inventory Detail in Reference Number Order

02-001	111-TRICHLOROETHANE	Liquid	65	Low
			GAL	
CAS #: 71-55-6		Trade Secret: No		
Form: Liquid		Type: Pure	Days: 365	Use:
Daily Max GAL		Daily Average GAL	Annual Amount GAL	
65.00		30.00	780.00	
Storage		Press	Temp	Location
Steel drum		Ambient	Ambient	Y, A -SW CORNER OF OPEN YARD
Conc		Components		MCP Guide
99.0%		1,1,1-Trichloroethane		Low 74

02-002	601 INVESTMENT	? SAND	2000	Minimal
			LBS	
CAS #:		Trade Secret: No		
Form: Unknown		Type: Unknown	Days: 365	Use:
Daily Max LBS		Daily Average LBS	Annual Amount LBS	
2,000.00		300.00	24,000.00	
Storage		Press	Temp	Location
Bag		Ambient	Ambient	#1, A - NORTH WALL OF BLDG. #1
Conc		Components		MCP Guide
60.0%		Silica, Crystalline 7631-86-9		Minimal 7
40.0%		Calcium Sulfate 7778-18-9		Minimal 7

CVHD 1996

**City of Vernon Health Department, Hazardous materials Control Program
Official Inspection Report, Modern Pattern & Foundry, August 20, 1996**



HEALTH & ENVIRONMENTAL CONTROL
4305 SANTA FE AVE., VERNON, CA 9005
(213) 583-8811 - EXT. 233

HAZARDOUS MATERIALS CONTROL PROGRAM
OFFICIAL INSPECTION REPORT

BUSINESS NAME Modern Pattern & Foundry DATE 8/20/96
ADDRESS 5610 Alcon Ave FACILITY # 6148
OWNER/OPERATOR _____ PHONE # _____
VOLUME CATEGORY A-B-C _____ SERVICE 2199-01

THE MARKED ITEMS (CIRCLED) REPRESENT VIOLATIONS AND MUST BE CORRECTED AS FOLLOWS:

CORRECTIVE ACTION

FAC. SITE	Complete fenced/bermed	1	
	Adequate drainage	2	
	Surface paved	3	
MATERIAL HANDLED	NFPA 704 signs posted	4	
	Extremely hazardous materials	5	• Properly label all hazardous waste containers as to content and accumulation dates.
	Hazardous material	6	
	Underground storage tanks	7	
	Above ground tanks	8	
HAZ. MAT. STORAGE	Compatible materials grouped	9	
	Fire control provided	10	• Provide secondary containment for all hazardous materials/waste stored on exterior premises.
	Proper aisle space provided	11	
	Containers sound/closed	12	
	Inventory	13	
Adequate distance from property line	14		
HAZ. WASTE STORED	Proper signs posted	15	• Update business contingency plan and hazardous materials inventory as necessary.
	Containers sound/closed	16	
	Containers dated/labeled	17	
	Compatible waste grouped	18	
SECONDARY CONTAINMENT	Adequate construction	19	
	Single primary / 100%	20	
	Multiple primary / 150%	21	
	Open to precipitation	22	
	Approved removal system	23	
	Compatible substances grouped	24	
RECORD EMERGENCY/CONTINGENCY PLAN	Plan available on site	25	• Remove and properly disposed of unidentified hazardous waste container. (Provide documentation of disposition of waste).
	Notification phone no.'s	26	
	MSDS available to employees	27	• Provide documentation of initial and annual refresher training for employees with regards to the handling and emergency response procedures for chemicals.
	Employee trained:		
	Handling chemicals	28	
	Emergency response	29	
	Refresher training	30	
	Manifests available	31	
Provision for H.W. removal	32		

COMMENTS:

RECEIVED BY (PRINT NAME):

ENVIRONMENTAL HEALTH SPECIALIST:

RE-INSPECTION DATE:

(TITLE)

(SIGNATURE)

Paul Manasian, R.E.H.S.

30 days

CVHD 2002

**City of Vernon Health Department, Official Notice of Violation,
September 25, 2002**

CITY OF VERNON
HEALTH DEPARTMENT
4305 S. Santa Fe Avenue
Vernon, CA 90058
(323) 583-8811



OFFICIAL NOTICE OF VIOLATION

TO:	<i>Modern Pattern + Foundry</i>	DATE OF ISSUE:	<i>9/25/02</i>
ADDRESS:	<i>5610 Alcoa Ave, Vernon, CA 90058</i>	COMPLIANCE DATE:	<i>AT ONCE</i>

YOU ARE HEREBY DIRECTED TO: *pay for your hazardous materials health permit (\$579). This amount includes two months penalty.*

dated 10/19/02

VIOLATION: ☒ Vernon City Code ☐ CA Health & Safety Code ☐ Other

RECEIVED BY <i>X JOHN MECKEL</i>	TITLE <i>V.P.</i>	PHONE <i>(323) 583-4921</i>
SIGNATURE <i>X [Signature]</i>	ISSUED BY <i>David L. Ruff [Signature]</i>	

CVHD 2009

**City of Vernon Health Department, Plant History Record of Modern Pattern
and Foundry Co., entries dated April 3, 1991 to November 4, 2009**

MISSING ITEM(S)

Original document from Federal Records Center did not include this reference to PA report (CVHD 2009) and it was therefore unable to be scanned

CVHD 2008

**City of Vernon Health Department, Consolidated Contingency Plan form,
Modern Pattern & foundry Co. Inc., July 18, 2008**

City of Vernon - Unified Program (CUPA) Agency

4305 S. Santa Fe Ave., Vernon, CA 90058

Section IC: CONSOLIDATED CONTINGENCY PLAN FORM

RECEIVED

JUL 18 2008

COVER PAGE

HEALTH DEPARTMENT		FACILITY IDENTIFICATION	
BUSINESS NAME	MODERN PATTERN & FOUNDRY CO INC.	3	FACILITY ID # 1
SITE ADDRESS	5610 ALLOA AVE	103	CITY 104 VERNON
			ZIP CODE 105 90058

The Consolidated Contingency Plan provides businesses a format to comply with the emergency planning requirements of the following three written hazardous materials emergency response plans required in California:

- ▶ Hazardous Materials Business Plan (HSC Chapter 6.95 Section 25504 (b) and 19 CCR Sections 2729-2732),
- ▶ Hazardous Waste Generator Contingency Plan (22 CCR Section 66264.52), and,
- ▶ Underground Storage Tank Emergency Response Plan and Monitoring Program (23 CCR Sections 2632 And 2641).

This format is designed to reduce duplication in the preparation and use of emergency response plans at the same facility, and to improve the coordination between facility response personnel and local, state and federal emergency responders during an emergency. Use the chart below to determine which sections of the Consolidated Contingency Plan need to be completed for your facility. If you are unsure as to which programs your facility is subject to, refer to the Business Activities Page.

PROGRAMS	SECTION(S) TO BE COMPLETED
Hazardous Materials Business Plan (HMBP)	Cover Page, Part I, and Site Map(s)
Hazardous Waste Generator (HWG)	Cover Page, Part I, and Site Map(s)
Underground Storage Tank (UST)	Cover Page, Parts I and II, and Site Map(s)
HMBP, HWG, UST	Cover Page, Parts I and II, and Site Map(s)

A copy of the plan shall be submitted to the City of Vernon Health Department and at least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency. Describe below where a copy of your Contingency Plan, including the hazardous material inventories and Site Map(s), is located at your business:

PLAN CERTIFICATION

I certify under penalty of law that I have personally examined and I am familiar with the information provided by this plan and to the best of my knowledge the information is accurate, complete, and true.

Printed Name of Owner/Operator	Title of Owner/Operator
<i>John M. McKel</i>	VICE PRESIDENT
Signature of Owner/Operator X	Date
<i>John M. McKel</i>	7/15/08

We appreciate the effort of local businesses in completing these plans and will assist in every possible way. If you have any questions, please contact the City of Vernon Health Department.

Reviewed By: *4/2/09* (60)Posted By: *LS 14-2-09*

City of Vernon - Unified Program (CUPA) Agency

4305 S. Santa Fe Ave., Vernon, CA 90058

BUSINESS OWNER/OPERATOR IDENTIFICATION FORM

Page ____ of ____

I. IDENTIFICATION

FACILITY ID#										1 BEGINNING DATE										100 ENDING DATE										101																			
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)																														3 BUSINESS PHONE																			
MODERN PATTERN & FOUNDRY CO. INC.																														(323) 583-4921																			
BUSINESS SITE ADDRESS																														103 BUSINESS FAX																			
																														(323) 583-8512																			
BUSINESS SITE CITY																				104 CA										ZIP CODE										105 COUNTY									
Vernon																																								Los Angeles									
DUN & BRADSTREET																														106 PRIMARY SIC										107 PRIMARY NAICS									
BUSINESS MAILING ADDRESS																														5610 ALCOA AVE.																			
BUSINESS MAILING CITY																				108b VERNON										STATE										108c ZIP CODE									
BUSINESS OPERATOR NAME																				109 ROLAND MECKEL										BUSINESS OPERATOR PHONE																			
																														323-583-4921																			

II. BUSINESS OWNER

OWNER NAME																				111 ROLAND MECKEL										OWNER PHONE																			
OWNER MAILING ADDRESS																														5610 ALCOA AVE.																			
OWNER MAILING CITY																				114 VERNON										STATE										115 ZIP CODE									
																														CA										90058									

III. ENVIRONMENTAL CONTACT

CONTACT NAME																				117										CONTACT PHONE																			
CONTACT MAILING ADDRESS																														119										CONTACT EMAIL									
CONTACT MAILING CITY																				120										STATE										121 ZIP CODE									

-PRIMARY-**IV. EMERGENCY CONTACTS****-SECONDARY-**

NAME										123 ROLAND MECKEL										NAME										124 JOHN MECKEL									
TITLE										124 OWNER PRESIDENT										TITLE										124 Vice President									
BUSINESS PHONE										125 323-583-4921										BUSINESS PHONE																			
24-HOUR PHONE										126 FX-6 Personal Privacy										24-HOUR PHONE										126 FX-6 Personal Privacy									
PAGER #										127										PAGER #										127									

ADDITIONAL LOCALLY COLLECTED INFORMATION:

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE										DATE										134 NAME OF DOCUMENT PREPARER									
JOHN MECKEL																				JOHN MECKEL									
NAME OF SIGNER (print)										136 JOHN MECKEL										TITLE OF SIGNER									
																				Vice President									

City of Vernon – Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058
Section IC: CONSOLIDATED CONTINGENCY PLAN FORM
Part I: BUSINESS PLAN and CONTINGENCY PLAN

PART I: BUSINESS PLAN AND CONTINGENCY PLAN

I. FACILITY IDENTIFICATION

BUSINESS NAME	<i>MODERN PATTERN & FOUNDRY CO.</i>	3	FACILITY ID # 1
SITE ADDRESS	<i>5610 ALCOA AVE.</i>	103	CITY <i>Vernon</i> 104 ZIP CODE <i>90058</i> 105

II. EMERGENCY CONTACTS

PRIMARY		SECONDARY	
NAME	<i>ROLAND MELKEL</i> 123	NAME	<i>JOHN MELKEL</i> 128
TITLE	<i>President</i> 124	TITLE	<i>Vice President</i> 129
BUSINESS PHONE	<i>323-583-4921</i> 125	BUSINESS PHONE	<i>323-583-4921</i> 130
24-HOUR PHONE	<i>FX-6 Personal Privacy</i> 126	24-HOUR PHONE	<i>FX-6 Personal Privacy</i> 131
PAGER #	<i>\$ 310-614-6480</i> 127	PAGER #	<i>562-243-5304</i> 132

III. EMERGENCY RESPONSE PLANS AND PROCEDURES

A. Notifications

Your business is required by State Law to provide an immediate verbal report of any release or threatened release of a hazardous material to local fire emergency response personnel, this Unified Program Agency (CUPA), and the Office of Emergency Services. If you have a release or threatened release of hazardous materials, immediately call:

**FIRE/POLICE
PHONE: 911**

AFTER the local emergency response personnel are notified, you shall then notify the City of Vernon Unified Program Agency (CUPA) and the Office of Emergency Services.

City of Vernon CUPA: (323) 583-8811, Ext. 233
State Office of Emergency Service: (800) 852-7550 or (916) 262-1621
National Response Center: (800) 424-8802

Information to be provided during Notification:

- ▶ Your Name and the Telephone Number from where you are calling.
- ▶ Exact address of the release or threatened release.
- ▶ Date, time, cause, and type of incident (e.g. fire, air release, spill etc.)
- ▶ Material and quantity of the release, to the extent known.
- ▶ Current condition of the facility.
- ▶ Extent of injuries, if any.
- ▶ Possible hazards to public health and/ or the environment outside of the facility.

B. Emergency Medical Facility

List the local emergency medical facility that will be used by your business in the event of an accident or injury caused by a release or threatened release of hazardous material

HOSPITAL/CLINIC:	<i>911 or Clinic Technimed Vernon</i>	PHONE NO:	<i>(323) 584 0059</i>
ADDRESS:	<i>3364 E. Slanson Ave</i>		
CITY:	<i>VERNON CA 90058</i>	ZIP CODE:	<i>90058</i>

City of Vernon – Unified Program (CUPA) Agency

4305 S. Santa Fe Ave., Vernon, CA 90058

Section IC: CONSOLIDATED CONTINGENCY PLAN FORM

Part I: BUSINESS PLAN and CONTINGENCY PLAN

G. Emergency Procedures

Briefly describe your business standard operating procedures in the event of a release or threatened release of hazardous materials:

1. **PREVENTION** (prevent the hazard) - Describe the kinds of hazards associated with the hazardous materials present at your facility. What actions would your business take to prevent these hazards from occurring? You may include a discussion of safety and storage procedures.

*PROPER STORAGE**CHAINING**SECONDARY CONTAINMENT*

2. **MITIGATION** (reduce the hazard) - Describe what is done to lessen the harm or the damage to person(s), property, or the environment, and prevent what has occurred from getting worse or spreading. What is your immediate response to a leak, spill, fire, explosion, or airborne release at your business?

*BROOM**SAND**TOWELS**DIRT*

3. **ABATEMENT** (remove the hazard) - Describe what you would do to stop and remove the hazard. How do you handle the complete process of stopping a release, cleaning up, and disposing of released materials at your facility?

*CONTAIN AND CALL CONTRACTOR - LARGE SPILLS**CONTAIN AND ABSORB - Dispose per Regulations*

City of Vernon – Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058
Section IC: CONSOLIDATED CONTINGENCY PLAN FORM
Part II: UST EMERGENCY RESPONSE and MONITORING PLAN

III. **EMERGENCY RESPONSE PLAN**

1. If an unauthorized release occurs, hazardous substances will be cleaned up by:

RAFAEL GONZALEZ *UNITED PUMPING SERVICE*
JOHN MECKEL

2. Agency notifications will be made as detailed in Section I of the Contingency Plan, and the local agency responsible for Underground Storage Tanks (USTs) shall be notified as required by state and local laws and regulations.

Local UST Agency City of Vernon

Phone (323)583 - 8811

3. The following persons are responsible for authorizing work necessary under the response plan:

Name	<i>ROLAND MECKEL</i>	Title	<i>PRESIDENT</i>	Phone	<i>323-583-4921</i>
Name	<i>JOHN MECKEL</i>	Title	<i>V.P.</i>	Phone	<i>323-583-4921</i>
Name	<i>RAFAEL GONZALEZ</i>	Title	<i>PLANT MANAGER</i>	Phone	

Additional Persons:

4. The proposed methods and equipment to be used for removing and properly disposing of hazardous substances and cleanup wastes are the following:

SWEEPING, SAND, CONTAINING USING DISPOSAL SERVICE

5. The location and availability of the required cleanup equipment listed in item #4 is as follows:

Cleanup equipment room

6. The maintenance schedule for the cleanup equipment is as follows:

*Every month equipment is inspected
LAST Friday of every month.*

7. Additional information:

INTRODUCTION

A. REPORTING POLICY

1. **Please use the forms provided. Only information submitted on forms from this CUPA form package or State forms will be accepted.**

Note: If the State of California UPCF Form is used, we may request your business to provide additional locally collected information.

2. All forms may be photocopied if necessary. You also have the option of requesting electronic copies of the forms (Microsoft Word format) to complete for signing and submission.
3. Appropriate forms must bear an original signature(s).
4. Keep copies of your submitted documents for your records as proof of submission.
5. It is recommended that forms be sent via "Certified Mail" to ensure delivery by "Return Receipt".
6. Submit all completed forms to:

**City of Vernon
Health and Environmental Control Department
4305 S. Santa Fe Ave.
Vernon, CA 90058**

7. If you have any questions or need assistance, contact the City of Vernon Health Department at (323) 583-8811, extension 233, Monday through Thursday, 7 A.M. to 5:30 P.M.
8. Be advised that failure to submit required forms may result in fines, penalties and/or other administrative fees.

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

<input type="checkbox"/> ADD		<input type="checkbox"/> DELETE		<input type="checkbox"/> REVISE		200		Page <u> </u> of <u> </u>	
I. FACILITY INFORMATION									
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) <u>MODERN PATTERN & FOUNDRY CO.</u>								3	
CHEMICAL LOCATION <u>Bldg. 1 Bay 1 & Bay 2 1A, 2A</u>						201		CHEMICAL LOCATION CONFIDENTIAL EPCRA <input type="checkbox"/> YES <input type="checkbox"/> NO	
FACILITY ID # <u> </u>						203		GRID# (optional) <u>2F, 4F</u>	
II. CHEMICAL INFORMATION									
CHEMICAL NAME <u>ACETYLENE</u>						205		TRADE SECRET <input type="checkbox"/> Yes <input type="checkbox"/> No	
COMMON NAME						207		EHS* <input type="checkbox"/> Yes <input type="checkbox"/> No	
CAS# <u>74862</u>						209		*If EHS is "Yes", all amounts below must be in lbs.	
FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)									
HAZARDOUS MATERIAL TYPE (Check one item only) <input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE						211		RADIOACTIVE <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
PHYSICAL STATE (Check one item only) <input type="checkbox"/> a. SOLID <input type="checkbox"/> b. LIQUID <input checked="" type="checkbox"/> c. GAS						214		LARGEST CONTAINER <u>335</u>	
FED HAZARD CATEGORIES (Check all that apply) <input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH						216			
AVERAGE DAILY AMOUNT <u>100 GALLON</u>				MAXIMUM DAILY AMOUNT <u>335 GALLON</u>		217		ANNUAL WASTE AMOUNT	
						218		STATE WASTE CODE	
UNITS* (Check one item only) <input type="checkbox"/> a. GALLONS <input checked="" type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS				219		220		DAYS ON SITE:	
STORAGE CONTAINER <input type="checkbox"/> a. ABOVE GROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BUILDING <input type="checkbox"/> d. STEEL DRUM				<input type="checkbox"/> e. PLASTIC/NONMETALLIC DRUM <input type="checkbox"/> f. CAN <input type="checkbox"/> g. CARBOY <input type="checkbox"/> h. SILO		<input type="checkbox"/> i. FIBER DRUM <input type="checkbox"/> j. BAG <input type="checkbox"/> k. BOX <input checked="" type="checkbox"/> l. CYLINDER		<input type="checkbox"/> m. GLASS BOTTLE <input type="checkbox"/> n. PLASTIC BOTTLE <input type="checkbox"/> o. TOTE BIN <input type="checkbox"/> p. TANK WAGON	
STORAGE PRESSURE <input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT				224		225			
STORAGE TEMPERATURE <input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC				226		227			
% WT		HAZARDOUS COMPONENT (For mixture or waste only)				EHS		CAS #	
1 100 226		Acetylene 227				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 228		74862 229	
2 230						<input type="checkbox"/> Yes <input type="checkbox"/> No 232		233	
3 234						<input type="checkbox"/> Yes <input type="checkbox"/> No 236		237	
4 238						<input type="checkbox"/> Yes <input type="checkbox"/> No 240		241	
5 242						<input type="checkbox"/> Yes <input type="checkbox"/> No 244		245	
If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.									
246									

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency

4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

200

Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERNS & FOUNDRY CO. INC.

CHEMICAL LOCATION

Bldg. 1 Brg #1 Brg #4 1B, 2B, 3B

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

2L, 7F, 7G

II. CHEMICAL INFORMATION

CHEMICAL NAME

205

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

ARGON

207

EHS*

☐ Yes ☐ No

CAS#

7440371

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

PHYSICAL STATE (Check one item only)

☐ a. SOLID ☐ b. LIQUID ☒ c. GAS

214

LARGEST CONTAINER

304

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

300

217

MAXIMUM DAILY AMOUNT

690

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☒ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 100

226

Argon

227

☐ Yes ☐ No

228

7440371

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

<input type="checkbox"/> ADD		<input type="checkbox"/> DELETE		<input type="checkbox"/> REVISE		200		Page <u> </u> of <u> </u>	
I. FACILITY INFORMATION									
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)								3	
MODERN PATTERN & Foundry CO.									
CHEMICAL LOCATION						201		CHEMICAL LOCATION CONFIDENTIAL	
Bldgs. 1 Bay 1 & Bay 2 1A, 2A						EPCRA		202	
						<input type="checkbox"/> YES <input type="checkbox"/> NO			
FACILITY ID #				MAP# (optional)		203		GRID# (optional)	
								2F, 4F	
II. CHEMICAL INFORMATION									
CHEMICAL NAME						205		TRADE SECRET <input type="checkbox"/> Yes <input type="checkbox"/> No	
ACETYLENE								206	
COMMON NAME						207		EHS* <input type="checkbox"/> Yes <input type="checkbox"/> No	
CAS#						209		*If EHS is "Yes", all amounts below must be in lbs.	
74862									
FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)									
210									
HAZARDOUS MATERIAL TYPE (Check one item only)				211		RADIOACTIVE <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		212	
<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE						CURIES		213	
PHYSICAL STATE (Check one item only)				214		LARGEST CONTAINER		215	
<input type="checkbox"/> a. SOLID <input type="checkbox"/> b. LIQUID <input checked="" type="checkbox"/> c. GAS						335			
FED HAZARD CATEGORIES (Check all that apply)				216					
<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH									
AVERAGE DAILY AMOUNT		217		MAXIMUM DAILY AMOUNT		218		ANNUAL WASTE AMOUNT	
100 GALLON				335 GALLON				219	
								STATE WASTE CODE	
								220	
UNITS* (Check one item only)				221		DAYS ON SITE:		222	
<input type="checkbox"/> a. GALLONS <input checked="" type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS									
STORAGE CONTAINER				223					
<input type="checkbox"/> a. ABOVE GROUND TANK <input type="checkbox"/> e. PLASTIC/NONMETALLIC DRUM <input type="checkbox"/> i. FIBER DRUM <input type="checkbox"/> m. GLASS BOTTLE <input type="checkbox"/> q. RAIL CAR									
<input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> f. CAN <input type="checkbox"/> j. BAG <input type="checkbox"/> n. PLASTIC BOTTLE <input type="checkbox"/> r. OTHER									
<input type="checkbox"/> c. TANK INSIDE BUILDING <input type="checkbox"/> g. CARBOY <input type="checkbox"/> k. BOX <input type="checkbox"/> o. TOTE BIN									
<input type="checkbox"/> d. STEEL DRUM <input type="checkbox"/> h. SILO <input checked="" type="checkbox"/> l. CYLINDER <input type="checkbox"/> p. TANK WAGON									
STORAGE PRESSURE				224					
<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT									
STORAGE TEMPERATURE				225					
<input type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC									
% WT		HAZARDOUS COMPONENT (For mixture or waste only)		EHS		CAS #			
1 100 226		Acetylene 227		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 228		74862 229			
2 230				<input type="checkbox"/> Yes <input type="checkbox"/> No 232				233	
3 234				<input type="checkbox"/> Yes <input type="checkbox"/> No 236				237	
4 238				<input type="checkbox"/> Yes <input type="checkbox"/> No 240				241	
5 242				<input type="checkbox"/> Yes <input type="checkbox"/> No 244				245	
If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.									
246									

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City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

200

Page ____ of ____

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO.

CHEMICAL LOCATION

Bldg. 1 Bm 2 1C 2C

201

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

3F 4F

II. CHEMICAL INFORMATION

CHEMICAL NAME

CARBON DIOXIDE

205

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

207

EHS*

☐ Yes ☐ No

CAS#

124389

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

PHYSICAL STATE (Check one item only)

☐ a. SOLID ☐ b. LIQUID ☒ c. GAS

214

LARGEST CONTAINER

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

MAXIMUM DAILY AMOUNT

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

UNITS* (Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

222

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

226

CARBON DIOXIDE

227

☐ Yes ☒ No

228

124389

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

200

Page ____ of ____

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO. INC

CHEMICAL LOCATION

201

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☒ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

8-F

II. CHEMICAL INFORMATION

CHEMICAL NAME

205

CASTING WAX

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

207

WAX

EHS*

☐ Yes ☐ No

208

CAS#

209

8002742

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE☒ b. MIXTURE☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE
(Check one item only)☒ a. SOLID☐ b. LIQUID☐ c. GAS

214

LARGEST CONTAINER

70 lbs.

215

FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE☐ b. REACTIVE☐ c. PRESSURE RELEASE☐ d. ACUTE HEALTH☐ e. CHRONIC HEALTH

216

AVERAGE DAILY AMOUNT

217

6000.00 lbs.

MAXIMUM DAILY AMOUNT

218

10,000 lbs.

ANNUAL WASTE AMOUNT

219

NO WASTE

All Recycled
Reused

STATE WASTE CODE

220

UNITS*

(Check one item only)

☐ a. GALLONS☐ b. CUBIC FEET☒ c. POUNDS☐ d. TONS

221

DAYS ON SITE:

365

222

STORAGE

CONTAINER

☐ a. ABOVE GROUND TANK☐ b. UNDERGROUND TANK☐ c. TANK INSIDE BUILDING☐ d. STEEL DRUM☐ e. PLASTIC/NONMETALLIC DRUM☐ f. CAN☐ g. CARBOY☐ h. SILO☐ i. FIBER DRUM☐ j. BAG☒ k. BOX☐ l. CYLINDER☐ m. GLASS BOTTLE☐ n. PLASTIC BOTTLE☐ o. TOTE BIN☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT☐ b. ABOVE AMBIENT☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT☐ b. ABOVE AMBIENT☐ c. BELOW AMBIENT☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

226

227

☐ Yes ☐ No

228

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

200

Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry CO. INC.

CHEMICAL LOCATION

Build 1 Bay 3 & Yard NW 2F

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

II. CHEMICAL INFORMATION

CHEMICAL NAME

Chem Rez

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

Chem Rez

EHS*

☐ Yes ☐ No

CAS#

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE ☒ b. MIXTURE ☐ c. WASTERADIOACTIVE ☐ Yes ☐ No

CURIES

PHYSICAL STATE
(Check one item only)☐ a. SOLID ☒ b. LIQUID ☐ c. GAS

LARGEST CONTAINER

550 lbs

FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

700 lbs.

MAXIMUM DAILY AMOUNT

2500 lbs.

ANNUAL WASTE AMOUNT

STATE WASTE CODE

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

STORAGE

CONTAINER

☐ a. ABOVE GROUND TANK☐ c. PLASTIC/NONMETALLIC DRUM☐ i. FIBER DRUM☐ m. GLASS BOTTLE☐ q. RAIL CAR☐ b. UNDERGROUND TANK☐ f. CAN☐ j. BAG☐ n. PLASTIC BOTTLE☐ r. OTHER☐ e. TANK INSIDE BUILDING☐ g. CARBOY☐ k. BOX☐ o. TOTE BIN☒ d. STEEL DRUM☐ h. SILO☐ l. CYLINDER☐ p. TANK WAGON

STORAGE PRESSURE

☒ a. AMBIENT☐ b. ABOVE AMBIENT☐ c. BELOW AMBIENT

STORAGE TEMPERATURE

☒ a. AMBIENT☐ b. ABOVE AMBIENT☐ c. BELOW AMBIENT☐ d. CRYOGENIC

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 20

FATTY ACIDS

☐ Yes ☒ No

2 5

Resocinol

☐ Yes ☐ No

108463

3 2

Methyl Alcohol

☐ Yes ☐ No

67561

4

☐ Yes ☐ No

5

☐ Yes ☐ No

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

200

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO. INC.

3

CHEMICAL LOCATION

201

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

II. CHEMICAL INFORMATION

CHEMICAL NAME

2009 Q

205

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

Chem Rec Catalyst

207

EHS*

☐ Yes ☐ No

208

CAS#

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☐ No

212

CURIES

PHYSICAL STATE
(Check one item only)☐ a. SOLID ☒ b. LIQUID ☐ c. GAS

213

LARGEST CONTAINER

*550*FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

400

MAXIMUM DAILY AMOUNT

218

1000

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

UNITS*
(Check one item only)☒ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

STORAGE
CONTAINER
☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 *75*

226

Sulfonic Acids

227

☐ Yes ☒ No

228

229

2 *25*

230

Inorganic Acids

231

☐ Yes ☒ No

232

233

3

234

235

☐ Yes ☒ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO. INC.

3

CHEMICAL LOCATION

16

201

CHEMICAL LOCATION CONFIDENTIAL

202

☐ YES☒ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

8, F Disinfectant 16

II. CHEMICAL INFORMATION

CHEMICAL NAME

CALLIUM SULFATE HEMI

205

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

DUROL

207

EHS*

☐ Yes ☐ No

208

CAS#

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

PHYSICAL STATE
(Check one item only)☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

100 lbs.

FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

MAXIMUM DAILY AMOUNT

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

UNITS*
(Check one item only)☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

365

STORAGE

CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☒ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

90

226

CALLIUM SULFATE

227

☐ Yes ☐ No

228

7778189

229

2

10

230

Silica, Crystalline

231

☐ Yes ☐ No

232

14808607

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

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200

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODECN PATTERN & FOUNDRY CO. INC.

CHEMICAL LOCATION

BUILDING #2 Designated I-I

201 CHEMICAL LOCATION CONFIDENTIAL
EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

II. CHEMICAL INFORMATION

CHEMICAL NAME

FERRO Silicon Alloys

205 TRADE SECRET ☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

207 EHS* ☐ Yes ☐ No

CAS#

209 *If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211 RADIOACTIVE ☐ Yes ☒ No

212 CURIES

PHYSICAL STATE (Check one item only)

☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

214 LARGEST CONTAINER

400 lbs.

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

1200.00 lbs.

MAXIMUM DAILY AMOUNT

10,000 lbs.

ANNUAL WASTE AMOUNT

STATE WASTE CODE

UNITS* (Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 *90*

226

Silicon

227

☐ Yes ☐ No

228

7440213

229

2 *10*

230

Iron

231

☐ Yes ☐ No

232

7439896

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODEEN PATTERN & FOUNDRY CO. INC.

CHEMICAL LOCATION

Building #1 Bay #5 Dcs. 14 & 21

CHEMICAL LOCATION CONFIDENTIAL

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

8E & 86

II. CHEMICAL INFORMATION

CHEMICAL NAME

Silicon Dioxide

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

FUSED SILICA

EHS*

☐ Yes ☐ No

CAS#

7631869

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE
RADIOACTIVE ☐ Yes ☒ No

CURIES

PHYSICAL STATE (Check one item only)

☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

LARGEST CONTAINER

55

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

2000.00 lbs.

MAXIMUM DAILY AMOUNT

22,000 lbs.

ANNUAL WASTE AMOUNT

STATE WASTE CODE

UNITS* (Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

STORAGE

CONTAINER

☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☒ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 *99* 226

Silica Crystalline

227 ☐ Yes ☒ No 228

7631869

229

2 230

231 ☐ Yes ☐ No 232

233

3 234

235 ☐ Yes ☐ No 236

237

4 238

239 ☐ Yes ☐ No 240

241

5 242

243 ☐ Yes ☐ No 244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

✓
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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO. INC.

CHEMICAL LOCATION

Building 1 Bay 3 Des. 1K & 2K

201 CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203 GRID# (optional)

II. CHEMICAL INFORMATION

CHEMICAL NAME

ISOPROPYL ALCOHOL

205 TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

207 EHS*

☐ Yes ☐ No

CAS#

67630

209 *If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212 CURIES

PHYSICAL STATE
(Check one item only)☐ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

55

FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

30 GAL.

MAXIMUM DAILY AMOUNT

218

55 GAL.

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

UNITS*
(Check one item only)☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

STORAGE
CONTAINER☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

100

226

ISOPROPYL ALCOHOL

227

☐ Yes ☒ No

228

67630

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry Co. INC.

CHEMICAL LOCATION

Building # 2

201

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

9F

II. CHEMICAL INFORMATION

CHEMICAL NAME

STEEL ALLOY

205

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to Instructions

COMMON NAME

LOW CARBON IRON

207

EHS*

☐ Yes ☐ No

208

CAS#

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL TYPE (Check one item only)

☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE (Check one item only)

☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

4000 lbs.

215

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

216

AVERAGE DAILY AMOUNT

217

5000 lbs.

MAXIMUM DAILY AMOUNT

218

12,000.00 lbs.

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

UNITS* (Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

222

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

226

IRON

227

☐ Yes ☒ No

228

7439987

229

2

230

MANGANESE

231

☐ Yes ☒ No

232

7439896

233

3

234

EAS CARBON REACTIVE

235

☐ Yes ☒ No

236

7440213

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO. INC.

CHEMICAL LOCATION

BUILDING #2 Designated 1H

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☒ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

9-F

II. CHEMICAL INFORMATION

CHEMICAL NAME

FERRO CHROME

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

METAL ALLOY

EHS*

☐ Yes ☐ No

CAS#

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

RADIOACTIVE

☐ Yes ☒ No

CURIES

PHYSICAL STATE
(Check one item only)☒ a. SOLID ☒ b. LIQUID ☐ c. GAS

LARGEST CONTAINER

2000

FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

3000 lbs.

MAXIMUM DAILY AMOUNT

8000 lbs.

ANNUAL WASTE AMOUNT

STATE WASTE CODE

UNITS*
(Check one item only)☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

STORAGE
CONTAINER☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

70

226

CHROMIUM

227

☐ Yes ☐ No

228

7440213

229

2

30

230

IRON

231

☐ Yes ☐ No

232

7439896

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry CO.

CHEMICAL LOCATION

NORTHWALL Building #2

Designated 1M

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

9F

II. CHEMICAL INFORMATION

CHEMICAL NAME

FERRO - MOLYBDENUM

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

MOLYBDENUM

EHS*

☐ Yes ☐ No

CAS#

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE

☐ Yes ☒ No

212

CURIES

PHYSICAL STATE (Check one item only)

☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

200 lbs.

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

MAXIMUM DAILY AMOUNT

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

70 lbs.

200.00 lbs.

UNITS* (Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

222

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☒ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 55 226

Molybdenum

227

☐ Yes ☒ No

228

229

2 32 230

Iron

231

☐ Yes ☒ No

232

233

3 2 234

Silicon

235

☐ Yes ☒ No

236

237

4 238

239

☐ Yes ☐ No

240

241

5 242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

IF EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

<input type="checkbox"/> ADD		<input type="checkbox"/> DELETE		<input type="checkbox"/> REVISE		200		Page <u> </u> of <u> </u>	
I. FACILITY INFORMATION									
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)						201			
MODERN PATTERN & FOUNDRY CO. INC.						202			
CHEMICAL LOCATION						203			
Between Building 1 & Building 2						204			
FACILITY ID #						MAP# (optional)		GRID# (optional)	
								8E	
II. CHEMICAL INFORMATION									
CHEMICAL NAME						205			
Hydrogen Chloride						206			
COMMON NAME						207			
MURIATIC ACID						208			
CAS#						209			
7647010						*If EHS is "Yes", all amounts below must be in lbs.			
FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)									
HAZARDOUS MATERIAL TYPE (Check one item only)						211		212	
<input checked="" type="checkbox"/> a. PURE <input type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE						RADIOACTIVE <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CURIES	
PHYSICAL STATE (Check one item only)						214		215	
<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS						LARGEST CONTAINER		1 GALLON	
FED HAZARD CATEGORIES (Check all that apply)						216			
<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH									
AVERAGE DAILY AMOUNT						217		218	
12.00 GALLON						MAXIMUM DAILY AMOUNT		219	
						20 Gallons		STATE WASTE CODE	
UNITS* (Check one item only)						221		222	
<input type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS						DAYS ON SITE:			
STORAGE CONTAINER						223			
<input type="checkbox"/> a. ABOVE GROUND TANK <input type="checkbox"/> c. PLASTIC/NONMETALLIC DRUM <input type="checkbox"/> i. FIBER DRUM <input type="checkbox"/> m. GLASS BOTTLE <input type="checkbox"/> q. RAIL CAR									
<input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> f. CAN <input type="checkbox"/> j. BAG <input checked="" type="checkbox"/> n. PLASTIC BOTTLE <input type="checkbox"/> r. OTHER									
<input type="checkbox"/> c. TANK INSIDE BUILDING <input type="checkbox"/> g. CARBOY <input type="checkbox"/> k. BOX <input type="checkbox"/> o. TOTE BIN									
<input type="checkbox"/> d. STEEL DRUM <input type="checkbox"/> h. SILO <input type="checkbox"/> l. CYLINDER <input type="checkbox"/> p. TANK WAGON									
STORAGE PRESSURE						224			
<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT									
STORAGE TEMPERATURE						225			
<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC									
% WT		HAZARDOUS COMPONENT (For mixture or waste only)				EHS		CAS #	
1 99 226		Hydrogen Chloride 227				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 228		7647010 229	
2 230						<input type="checkbox"/> Yes <input type="checkbox"/> No 232			
3 234						<input type="checkbox"/> Yes <input type="checkbox"/> No 236			
4 238						<input type="checkbox"/> Yes <input type="checkbox"/> No 240			
5 242						<input type="checkbox"/> Yes <input type="checkbox"/> No 244			
If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.									
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Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO. INC.

CHEMICAL LOCATION

Building # 2

201

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

II. CHEMICAL INFORMATION

CHEMICAL NAME

Nickel

205

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

Nickel

207

EHS*

☐ Yes ☐ No

CAS#

7647010

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL TYPE (Check one item only)

☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE (Check one item only)

☐ a. SOLID ☒ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

20 GAL.

215

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

216

AVERAGE DAILY AMOUNT

217

1L

MAXIMUM DAILY AMOUNT

218

20

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

UNITS* (Check one item only)

☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

222

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

90

226

Nickel

227

☐ Yes ☐ No

228

7647010

229

2

3

230

Nickel Oxide

231

☐ Yes ☐ No

232

233

3

2

234

Cobaltous Oxide

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry CO.

CHEMICAL LOCATION

NORTHWALL Bldg. #1

IP. 1P

201 CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

203 MAP# (optional)

204 GRID# (optional)

4F 6D

II. CHEMICAL INFORMATION

CHEMICAL NAME

Nitrogen

205 TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

207 EHS*

☐ Yes ☐ No

CAS#

~~7727337~~ 7727337

209 *If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

212 RADIOACTIVE ☐ Yes ☒ No

213 CURIES

PHYSICAL STATE (Check one item only)

☐ a. SOLID ☐ b. LIQUID ☒ c. GAS

214

LARGEST CONTAINER

304 FT3

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

300 FT3

217

MAXIMUM DAILY AMOUNT

690 FT3

218

ANNUAL WASTE AMOUNT

219

STATE WASTE COI

UNITS* (Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ p. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☒ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☐ a. AMBIENT ☒ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 100

226

Nitrogen

227

☐ Yes ☐ No

228

~~7727337~~ 7727337

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry Co.

3

CHEMICAL LOCATION

Build 1 Bng 1 & 2

201

CHEMICAL LOCATION CONFIDENTIAL

203

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

2F, 3F

II. CHEMICAL INFORMATION

CHEMICAL NAME

205

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

207

EHS*

☐ Yes ☐ No

208

CAS#

209

*If EHS is "Yes", all amounts below must be in lbs.

7782447

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL
TYPE (Check one item only)☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE
(Check one item only)☐ a. SOLID ☐ b. LIQUID ☒ c. GAS

214

LARGEST CONTAINER

*304*FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

MAXIMUM DAILY AMOUNT

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

*300**690*

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

STORAGE
CONTAINER
☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ e. TANK INSIDE BUILDING ☐ g. CARROY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☒ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 *100**Oxygen Compressed*

227

☐ Yes ☐ No

228

7782447

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA. Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

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Page of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry Co. INC.

CHEMICAL LOCATION

Building 1 Bay 2 1R

201

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

II. CHEMICAL INFORMATION

CHEMICAL NAME

Silicon Sand Phenolic Resin

205

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

Resin Coated Sand

207

EHS*

☐ Yes ☐ No

208

CAS#

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL TYPE (Check one item only)

☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE (Check one item only)

☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

80 lbs.

215

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

216

AVERAGE DAILY AMOUNT

217

2000 lbs.

MAXIMUM DAILY AMOUNT

218

5000.00 lbs.

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

222

* If EHS, amount must be in pounds.

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☒ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

226

Phenol

227

☐ Yes ☒ No

228

229

2

230

Silica, Crystalline

231

☐ Yes ☒ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry CO. INC.

CHEMICAL LOCATION

Building 1 Bay 3 1U 2U

201

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

5E 5F

II. CHEMICAL INFORMATION

CHEMICAL NAME

STEEL ALLOY

205

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

STAINLESS STEEL SCRAP

207

EHS*

☐ Yes ☐ No

CAS#

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE

☐ Yes ☒ No

212

CURIES

PHYSICAL STATE (Check one item only)

☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

2000

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

5000 lbs.

MAXIMUM DAILY AMOUNT

218

40,000 lbs.

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

222

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 45 226

Iron

227

☐ Yes ☒ No

228

7440213

229

2 30 230

Nickel

231

☐ Yes ☒ No

232

142825

233

3 20 234

Aluminum

235

☐ Yes ☒ No

236

7429905

237

4 238

239

☐ Yes ☐ No

240

241

5 242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

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I. FACILITY INFORMATION									
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)								3	
MODERN PATTERNS & FOUNDRY CO. INC.									
CHEMICAL LOCATION						201		202	
Build. 1 Bay 3 Designated IV						CHEMICAL LOCATION CONFIDENTIAL EPCRA <input type="checkbox"/> YES <input type="checkbox"/> NO			
FACILITY ID #						203		204	
						MAP# (optional)		GRID# (optional)	
								SE	
II. CHEMICAL INFORMATION									
CHEMICAL NAME						205		206	
CORE PASTE						TRADE SECRET <input type="checkbox"/> Yes <input type="checkbox"/> No			
COMMON NAME						207		208	
ZIP STICK						EHS* <input type="checkbox"/> Yes <input type="checkbox"/> No			
CAS#						209		210	
*If EHS is "Yes", all amounts below must be in lbs.									
FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)									
HAZARDOUS MATERIAL TYPE (Check one item only)						211		212	
<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE						RADIOACTIVE <input type="checkbox"/> Yes <input type="checkbox"/> No		CURIES	
PHYSICAL STATE (Check one item only)						214		215	
<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS						LARGEST CONTAINER		5 GALLON	
FED HAZARD CATEGORIES (Check all that apply)									
<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH									
AVERAGE DAILY AMOUNT				217		218		219	
8 GALLON				MAXIMUM DAILY AMOUNT		20 GALLON		STATE WASTE CODE	
UNITS* (Check one item only)						221		DAYS ON SITE:	
<input type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS						* If EHS, amount must be in pounds.			
STORAGE CONTAINER						223		224	
<input type="checkbox"/> a. ABOVE GROUND TANK <input checked="" type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BUILDING <input type="checkbox"/> d. STEEL DRUM						<input checked="" type="checkbox"/> e. PLASTIC/NONMETALLIC DRUM <input type="checkbox"/> f. CAN <input type="checkbox"/> g. CARBOY <input type="checkbox"/> h. SILO		<input type="checkbox"/> i. FIBER DRUM <input type="checkbox"/> j. BAG <input type="checkbox"/> k. BOX <input type="checkbox"/> l. CYLINDER <input type="checkbox"/> m. GLASS BOTTLE <input type="checkbox"/> n. PLASTIC BOTTLE <input type="checkbox"/> o. TOTE BIN <input type="checkbox"/> p. TANK WAGON <input type="checkbox"/> q. RAIL CAR <input type="checkbox"/> r. OTHER	
STORAGE PRESSURE						224		225	
<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT						<input type="checkbox"/> d. CRYOGENIC			
STORAGE TEMPERATURE						226		227	
<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT						<input type="checkbox"/> d. CRYOGENIC			
% WT		HAZARDOUS COMPONENT (For mixture or waste only)				EHS		CAS #	
1	10	226	Aluminum Silicate	227	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	228	1214467	229	
2	55	230	Silicon Dioxide	231	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	232	7631869	233	
3	22	234	Acetone	235	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	236	67641	237	
4		238		239	<input type="checkbox"/> Yes <input type="checkbox"/> No	240		241	
5		242		243	<input type="checkbox"/> Yes <input type="checkbox"/> No	244		245	
If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.									
246									

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

200

Page ____ of ____

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

3

CHEMICAL LOCATION

Build 1 Bay 3 1U, 2U

201

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

202

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

SE, SF

II. CHEMICAL INFORMATION

CHEMICAL NAME

205

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

207

ZIPS LIP

EHS*

☐ Yes ☐ No

208

CAS#

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL TYPE (Check one item only)

☐ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE (Check one item only)

☐ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

5 GALLON

215

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

216

AVERAGE DAILY AMOUNT

217

MAXIMUM DAILY AMOUNT

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

8 GALLONS

20 GALLONS

UNITS* (Check one item only)

☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

222

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

226

Silicon

227

☐ Yes ☐ No

228

7440213

229

2

230

Heptane

231

☐ Yes ☐ No

232

142825

233

3

234

Aluminum

235

☐ Yes ☐ No

236

7429905

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

INTRODUCTION

A. REPORTING POLICY

1. **Please use the forms provided. Only information submitted on forms from this CUPA form package or State forms will be accepted.**

Note: If the State of California UPCF Form is used, we may request your business to provide additional locally collected information.

2. All forms may be photocopied if necessary. You also have the option of requesting electronic copies of the forms (Microsoft Word format) to complete for signing and submission.
3. Appropriate forms must bear an original signature(s).
4. Keep copies of your submitted documents for your records as proof of submission.
5. It is recommended that forms be sent via "Certified Mail" to ensure delivery by "Return Receipt".
6. Submit all completed forms to:

**City of Vernon
Health and Environmental Control Department
4305 S. Santa Fe Ave.
Vernon, CA 90058**

7. If you have any questions or need assistance, contact the City of Vernon Health Department at (323) 583-8811, extension 233, Monday through Thursday, 7 A.M. to 5:30 P.M.
8. Be advised that failure to submit required forms may result in fines, penalties and/or other administrative fees.

City of Vernon – Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058
Section IC: CONSOLIDATED CONTINGENCY PLAN FORM
Part II: UST EMERGENCY RESPONSE and MONITORING PLAN

III. **EMERGENCY RESPONSE PLAN**

1. If an unauthorized release occurs, hazardous substances will be cleaned up by:

RAFAEL GONZALEZ *UNITED PUMPING SERVICE*
JOHN MECKEL

2. Agency notifications will be made as detailed in Section I of the Contingency Plan, and the local agency responsible for Underground Storage Tanks (USTs) shall be notified as required by state and local laws and regulations.

Local UST Agency City of Vernon

Phone (323)583 - 8811

3. The following persons are responsible for authorizing work necessary under the response plan:

Name	<i>ROLAND MECKEL</i>	Title	<i>PRESIDENT</i>	Phone	<i>323-583-4921</i>
Name	<i>JOHN MECKEL</i>	Title	<i>V.P.</i>	Phone	<i>323-583-4921</i>
Name	<i>RAFAEL GONZALEZ</i>	Title	<i>PLANT MANAGER</i>	Phone	

Additional Persons:

4. The proposed methods and equipment to be used for removing and properly disposing of hazardous substances and cleanup wastes are the following:

SWEEPING, SAND, CONTAINING USING DISPOSAL SERVICE

5. The location and availability of the required cleanup equipment listed in item #4 is as follows:

Clean-up equipment room

6. The maintenance schedule for the cleanup equipment is as follows:

*Every month equipment is inspected
LAST Friday of every month.*

7. Additional information:

City of Vernon -Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058
Section 1A: BUSINESS ACTIVITIES FORM

Page 1 of

I. FACILITY IDENTIFICATION

FACILITY ID # (Agency Use Only)															EPA ID # (Hazardous Waste Only)														
BUSINESS NAME (Same as Facility Name or DBA-Doing Business As)															MODERN PATTERNS & Foundry CO. INC.														
BUSINESS SITE CITY															BUSINESS SITE ADDRESS														
															104														
															CA														
															105														

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.

Does your facility...		If Yes, please complete these pages of the UPCF....	
A. HAZARDOUS MATERIALS Have on site (for any purpose) at any one time, hazardous materials at or above 5 gallons for liquids, 50 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO 4	HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION
B. REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 4a	In addition to Hazardous Materials requirement, complete: ?Regulated Substance Registration ?Risk Management Plan (if required) UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
C. UNDERGROUND STORAGE TANKS (USTs) Own or operate underground storage tanks?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
D. ABOVEGROUND PETROLEUM STORAGE Store new or used petroleum products in aboveground tanks or containers with a total capacity of 1,320 gallons or greater?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 8	NO FORM REQUIRED
E. HAZARDOUS WASTE Generate hazardous waste?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 9	EPA ID NUMBER - provide at the top of this page
Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
Treat hazardous waste on-site?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 11	ON-SITE HAZARDOUS WASTE TREATMENT - FACILITY ON-SITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit)
Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 12	CERTIFICATION OF FINANCIAL ASSURANCE
Consolidate hazardous waste generated at a remote site?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
Generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 14a	Obtain federal EPA ID Number, file Biennial Report (EPA Form 8700-13A/B), and satisfy requirements for RCRA Large Quantity Generator.
Household Hazardous Waste (HHW) Collection site?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 14b	Contact Vernon Health Department.

City of Vernon - Unified Program (CUPA) Agency

4305 S. Santa Fe Ave., Vernon, CA 90058

BUSINESS OWNER/OPERATOR IDENTIFICATION FORM

Page ___ of ___

I. IDENTIFICATION

FACILITY ID#		BEGINNING DATE	100	ENDING DATE	101
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)			3	BUSINESS PHONE	
MODERN PATTERN & FOUNDRY CO. INC.				(323) 583-4921	
BUSINESS SITE ADDRESS			103	BUSINESS FAX	
				(323) 583-8512	
BUSINESS SITE CITY	104	CA	ZIP CODE	105	COUNTY
Vernon					Los Angeles
DUN & BRADSTREET	106	PRIMARY SIC	107	PRIMARY NAICS	
BUSINESS MAILING ADDRESS					
5610 ALCOA AVE.					
BUSINESS MAILING CITY	108b	STATE	108c	ZIP CODE	
VERNON					
BUSINESS OPERATOR NAME	109	BUSINESS OPERATOR PHONE			
ROLAND MECKEL		323-583-4921			

II. BUSINESS OWNER

OWNER NAME	111	OWNER PHONE		
ROLAND MECKEL				
OWNER MAILING ADDRESS				
5610 ALCOA AVE.				
OWNER MAILING CITY	114	STATE	115	ZIP CODE
VERNON		CA		90058

III. ENVIRONMENTAL CONTACT

CONTACT NAME	117	CONTACT PHONE		
CONTACT MAILING ADDRESS	119	CONTACT EMAIL		
CONTACT MAILING CITY	120	STATE	121	ZIP CODE

-PRIMARY-**IV. EMERGENCY CONTACTS****-SECONDARY-**

NAME	123	NAME	124
ROLAND MECKEL		JOHN MECKEL	
TITLE	124	TITLE	125
OWNER PRESIDENT		Vice President	
BUSINESS PHONE	125	BUSINESS PHONE	126
323-583-4921			
24-HOUR PHONE	126	24-HOUR PHONE	127
FX-6 Personal Privacy		FX-6 Personal Privacy	
PAGER #	127	PAGER #	

ADDITIONAL LOCALLY COLLECTED INFORMATION:

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE	134	NAME OF DOCUMENT PREPARER
JOHN MECKEL			JOHN MECKEL
NAME OF SIGNER (print)	136	TITLE OF SIGNER	
JOHN MECKEL		Vice President	

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IC: CONSOLIDATED CONTINGENCY PLAN FORM

RECEIVED

JUL 18 2008

COVER PAGE

HEALTH DEPARTMENT		FACILITY IDENTIFICATION	
BUSINESS NAME	MODERN PATTERN & FOUNDRY CO INC.	3	FACILITY ID # 1
SITE ADDRESS	5610 ALLOA AVE	103	CITY 104 VERNON
			ZIP CODE 105 90058

The Consolidated Contingency Plan provides businesses a format to comply with the emergency planning requirements of the following three written hazardous materials emergency response plans required in California:

- ▶ Hazardous Materials Business Plan (HSC Chapter 6.95 Section 25504 (b) and 19 CCR Sections 2729-2732),
- ▶ Hazardous Waste Generator Contingency Plan (22 CCR Section 66264.52), and,
- ▶ Underground Storage Tank Emergency Response Plan and Monitoring Program (23 CCR Sections 2632 And 2641).

This format is designed to reduce duplication in the preparation and use of emergency response plans at the same facility, and to improve the coordination between facility response personnel and local, state and federal emergency responders during an emergency. Use the chart below to determine which sections of the Consolidated Contingency Plan need to be completed for your facility. If you are unsure as to which programs your facility is subject to, refer to the Business Activities Page.

PROGRAMS	SECTION(S) TO BE COMPLETED
Hazardous Materials Business Plan (HMBP)	Cover Page, Part I, and Site Map(s)
Hazardous Waste Generator (HWG)	Cover Page, Part I, and Site Map(s)
Underground Storage Tank (UST)	Cover Page, Parts I and II, and Site Map(s)
HMBP, HWG, UST	Cover Page, Parts I and II, and Site Map(s)

A copy of the plan shall be submitted to the City of Vernon Health Department and at least one copy of the plan shall be maintained at the facility for use in the event of an emergency and for inspection by the local agency. Describe below where a copy of your Contingency Plan, including the hazardous material inventories and Site Map(s), is located at your business:

PLAN CERTIFICATION

I certify under penalty of law that I have personally examined and I am familiar with the information provided by this plan and to the best of my knowledge the information is accurate, complete, and true.

Printed Name of Owner/Operator <i>John Merkel</i>	Title of Owner/Operator VICE PRESIDENT
Signature of Owner/Operator X <i>JOHN MERKEL</i>	Date 7/15/08

We appreciate the effort of local businesses in completing these plans and will assist in every possible way. If you have any questions, please contact the City of Vernon Health Department.

Reviewed By: 4/2/09 (60)

Posted By: LS 14-2-09

City of Vernon – Unified Program (CUPA) Agency

4305 S. Santa Fe Ave., Vernon, CA 90058

Section IC: CONSOLIDATED CONTINGENCY PLAN FORM

Part I: BUSINESS PLAN and CONTINGENCY PLAN

PART I: BUSINESS PLAN AND CONTINGENCY PLAN

I. FACILITY IDENTIFICATION

BUSINESS NAME	<i>MODERN PATTERN & FOUNDRY CO.</i>	3	FACILITY ID # 1
SITE ADDRESS	<i>5610 ALCOA AVE.</i>	103	CITY <i>Vernon</i> 104
			ZIP CODE <i>90058</i> 105

II. EMERGENCY CONTACTS

PRIMARY		SECONDARY	
NAME	<i>ROLAND MELKEL</i> 123	NAME	<i>JOHN MELKEL</i> 128
TITLE	<i>President</i> 124	TITLE	<i>Vice President</i> 129
BUSINESS PHONE	<i>323-583-4921</i> 125	BUSINESS PHONE	<i>323-583-4921</i> 130
24-HOUR PHONE	<i>FX-6 Personal Privacy</i> 126	24-HOUR PHONE	<i>FX-6 Personal Privacy</i> 131
PAGER #	<i>FX-6 Personal Privacy</i> 127	PAGER #	<i>FX-6 Personal Privacy</i> 132

III. EMERGENCY RESPONSE PLANS AND PROCEDURES

A. Notifications

Your business is required by State Law to provide an immediate verbal report of any release or threatened release of a hazardous material to local fire emergency response personnel, this Unified Program Agency (CUPA), and the Office of Emergency Services. If you have a release or threatened release of hazardous materials, immediately call:

FIRE/POLICE
PHONE: 911

AFTER the local emergency response personnel are notified, you shall then notify the City of Vernon Unified Program Agency (CUPA) and the Office of Emergency Services.

City of Vernon CUPA: (323) 583-8811, Ext. 233
State Office of Emergency Service: (800) 852-7550 or (916) 262-1621
National Response Center: (800) 424-8802

Information to be provided during Notification:

- ▶ Your Name and the Telephone Number from where you are calling.
- ▶ Exact address of the release or threatened release.
- ▶ Date, time, cause, and type of incident (e.g. fire, air release, spill etc.)
- ▶ Material and quantity of the release, to the extent known.
- ▶ Current condition of the facility.
- ▶ Extent of injuries, if any.
- ▶ Possible hazards to public health and/ or the environment outside of the facility.

B. Emergency Medical Facility

List the local emergency medical facility that will be used by your business in the event of an accident or injury caused by a release or threatened release of hazardous material

HOSPITAL/CLINIC:	<i>911 or Clinic Technimed Vernon</i>	PHONE NO:	<i>(323) 584 0059</i>
ADDRESS:	<i>3364 E. Slanson Ave</i>		
CITY:	<i>VERNON CA 90058</i>	ZIP CODE:	<i>90058</i>

City of Vernon – Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IC: CONSOLIDATED CONTINGENCY PLAN FORM
Part I: BUSINESS PLAN and CONTINGENCY PLAN

G. Emergency Procedures

Briefly describe your business standard operating procedures in the event of a release or threatened release of hazardous materials:

1. **PREVENTION** (prevent the hazard) - Describe the kinds of hazards associated with the hazardous materials present at your facility. What actions would your business take to prevent these hazards from occurring? You may include a discussion of safety and storage procedures.

PROPER STORAGE

CHAINING

SECONDARY CONTAINMENT

2. **MITIGATION** (reduce the hazard) - Describe what is done to lessen the harm or the damage to person(s), property, or the environment, and prevent what has occurred from getting worse or spreading. What is your immediate response to a leak, spill, fire, explosion, or airborne release at your business?

BROOM

SAND

TOWELS

PAINT

3. **ABATEMENT** (remove the hazard) - Describe what you would do to stop and remove the hazard. How do you handle the complete process of stopping a release, cleaning up, and disposing of released materials at your facility?

CONTAIN AND CALL CONTRACTOR - LARGE SPILLS

CONTAIN AND ABSORB - Dispose per Regulations

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM
(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

200

Page ____ of ____

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

3

CHEMICAL LOCATION

Build 1 Bay 3 1U, 2U

201

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

*SE, SF***II. CHEMICAL INFORMATION**

CHEMICAL NAME

205

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

ZIPSLIP

207

EHS*

☐ Yes ☐ No

208

CAS#

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE
(Check one item only)☐ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

5 GALLON

215

FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

216

AVERAGE DAILY AMOUNT

217

MAXIMUM DAILY AMOUNT

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

*8 GALLONS**20 GALLONS*UNITS*
(Check one item only)☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

222

STORAGE
CONTAINER☐ a. ABOVE GROUND TANK☐ b. UNDERGROUND TANK☐ c. TANK INSIDE BUILDING☐ d. STEEL DRUM☐ e. PLASTIC/NONMETALLIC DRUM☐ f. CAN☐ g. CARBOY☐ h. SILO☐ i. FIBER DRUM☐ j. BAG☐ k. BOX☐ l. CYLINDER☐ m. GLASS BOTTLE☐ n. PLASTIC BOTTLE☐ o. TOTE BIN☐ p. TANK WAGON☐ q. RAIL CAR☐ r. OTHER

223

STORAGE PRESSURE

☒ a. AMBIENT☐ b. ABOVE AMBIENT☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT☐ b. ABOVE AMBIENT☐ c. BELOW AMBIENT☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

226

Silicon

227

☐ Yes ☐ No

228

7440213

229

2

230

Heptane

231

☐ Yes ☐ No

232

142825

233

3

234

Aluminum

235

☐ Yes ☐ No

236

7429905

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

<input type="checkbox"/> ADD		<input type="checkbox"/> DELETE		<input type="checkbox"/> REVISE		200		Page <u> </u> of <u> </u>	
I. FACILITY INFORMATION									
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)								3	
MODERN PATTERNS & FOUNDRY CO. INC.									
CHEMICAL LOCATION				201		CHEMICAL LOCATION CONFIDENTIAL			
Build. 1 Bay 3 Designated IV						EPCRA <input type="checkbox"/> YES <input type="checkbox"/> NO			
FACILITY ID #				203		GRID# (optional)			
				MAP# (optional)		5E			
II. CHEMICAL INFORMATION									
CHEMICAL NAME						205		TRADE SECRET <input type="checkbox"/> Yes <input type="checkbox"/> No	
CORE PASTE								If Subject to EPCRA, refer to Instructions	
COMMON NAME						207		EHS* <input type="checkbox"/> Yes <input type="checkbox"/> No	
ZIP STICK									
CAS#						209		*If EHS is "Yes", all amounts below must be in lbs.	
FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)						210			
HAZARDOUS MATERIAL TYPE (Check one item only)				211		RADIOACTIVE <input type="checkbox"/> Yes <input type="checkbox"/> No		212	
<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE								CURIES	
PHYSICAL STATE (Check one item only)				214		LARGEST CONTAINER			
<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS						5 GALLON			
FED HAZARD CATEGORIES (Check all that apply)				217					
<input type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH									
AVERAGE DAILY AMOUNT		217		MAXIMUM DAILY AMOUNT		218		ANNUAL WASTE AMOUNT	
8 GALLON				20 GALLON				STATE WASTE CODE	
UNITS* (Check one item only)		219		DAYS ON SITE:		221			
<input type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS									
STORAGE CONTAINER		222		STORAGE PRESSURE		224		STORAGE TEMPERATURE	
<input type="checkbox"/> a. ABOVE GROUND TANK <input checked="" type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BUILDING <input type="checkbox"/> d. STEEL DRUM				<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT				<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC	
<input checked="" type="checkbox"/> e. PLASTIC/NONMETALLIC DRUM <input type="checkbox"/> f. CAN				<input type="checkbox"/> i. FIBER DRUM <input type="checkbox"/> j. BAG				<input type="checkbox"/> m. GLASS BOTTLE <input type="checkbox"/> n. PLASTIC BOTTLE <input type="checkbox"/> o. TOTE BIN	
<input type="checkbox"/> g. CARBOY <input type="checkbox"/> h. SILO				<input type="checkbox"/> k. BOX <input type="checkbox"/> l. CYLINDER <input type="checkbox"/> p. TANK WAGON					
		223				225			
% WT		226		HAZARDOUS COMPONENT (For mixture or waste only)		227		EHS	
1 10				Aluminum Silicate				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2 55				Silicon Dioxide				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3 22				Acetone				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4		238				239		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5		242				243		<input type="checkbox"/> Yes <input type="checkbox"/> No	
								244	
								245	
If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.									
246									

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City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

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Page of **I. FACILITY INFORMATION**

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry CO., INC.

CHEMICAL LOCATION

Building 1 Bay 3 1U 2U

201 CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

203 MAP# (optional)

204 GRID# (optional)

*SE 5F***II. CHEMICAL INFORMATION**

CHEMICAL NAME

STEEL ALLOY

205 TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

STAINLESS STEEL SCRAP

207 EHS*

☐ Yes ☐ No

CAS#

209 *If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

212 RADIOACTIVE ☐ Yes ☒ No

213 CURIES

PHYSICAL STATE (Check one item only)

☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

215 LARGEST CONTAINER

2000

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

5000 lbs.

218 MAXIMUM DAILY AMOUNT

40,000 lbs.

219 ANNUAL WASTE AMOUNT

220 STATE WASTE CODE

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

222 DAYS ON SITE:

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK☐ b. UNDERGROUND TANK☐ c. TANK INSIDE BUILDING☒ d. STEEL DRUM☐ e. PLASTIC/NONMETALLIC DRUM☐ f. CAN☐ g. CARBOY☐ h. SILO☐ i. FIBER DRUM☐ j. BAG☐ k. BOX☐ l. CYLINDER☐ m. GLASS BOTTLE☐ n. PLASTIC BOTTLE☐ o. TOTE BIN☐ p. TANK WAGON☐ q. RAIL CAR☐ r. OTHER

223

STORAGE PRESSURE

☒ a. AMBIENT☐ b. ABOVE AMBIENT☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT☐ b. ABOVE AMBIENT☐ c. BELOW AMBIENT☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 *45* 226*Iron*227 ☐ Yes ☒ No 228*7440213*

229

2 *30* 230*Nickel*231 ☐ Yes ☒ No 232*142825*

233

3 *20* 234*Aluminum*235 ☐ Yes ☒ No 236*7429905*

237

4 238

239 ☐ Yes ☐ No 240

241

5 242

243 ☐ Yes ☐ No 244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERNS & FOUNDRY CO. INC.

3

CHEMICAL LOCATION

Building 1 Bay 2 1R

201

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

II. CHEMICAL INFORMATION

CHEMICAL NAME

Silicon Sand Phenolic Resin

205

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

Resin Coated Sand

207

EHS*

☐ Yes ☐ No

208

CAS#

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL TYPE (Check one item only)

☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE (Check one item only)

☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

80 lbs.

215

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

216

AVERAGE DAILY AMOUNT

217

2000 lbs.

MAXIMUM DAILY AMOUNT

218

5000.00 lbs.

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

222

* If EHS, amount must be in pounds.

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☒ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

226

Phenol

227

☐ Yes ☒ No

228

229

2

230

Silica, Crystalline

231

☐ Yes ☒ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry CO.

CHEMICAL LOCATION

Build 1 Bay 1 & 2

201

CHEMICAL LOCATION CONFIDENTIAL

203

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

2F, 3F

II. CHEMICAL INFORMATION

CHEMICAL NAME

Oxygen

205

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

Oxygen

207

EHS*

☐ Yes ☐ No

208

CAS#

7782447

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL TYPE (Check one item only)

☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE

☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE (Check one item only)

☐ a. SOLID ☐ b. LIQUID ☒ c. GAS

214

LARGEST CONTAINER

304

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

300

217

MAXIMUM DAILY AMOUNT

690

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☒ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 100

226

Oxygen Compressed

227

☐ Yes ☐ No

228

7782447

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

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☐ ADD☐ DELETE☐ REVISE

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry CO.

CHEMICAL LOCATION

NORTHWALL Bldg. #1

1P. 2P

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

4F 6D

II. CHEMICAL INFORMATION

CHEMICAL NAME

Nitrogen

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to Instructions

COMMON NAME

EHS*

☐ Yes ☐ No

CAS#

~~7782447~~ *7727337*

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE

RADIOACTIVE ☐ Yes ☒ No

CURIES

PHYSICAL STATE (Check one item only)

☐ a. SOLID ☐ b. LIQUID ☒ c. GAS

LARGEST CONTAINER

304 FT3

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

300 FT3

MAXIMUM DAILY AMOUNT

690 FT3

ANNUAL WASTE AMOUNT

STATE WASTE CODE

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

211

212

DAYS ON SITE:

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK

☐ c. PLASTIC/NONMETALLIC DRUM

☐ i. FIBER DRUM

☐ m. GLASS BOTTLE

☐ q. RAIL CAR

☐ b. UNDERGROUND TANK

☐ f. CAN

☐ j. BAG

☐ n. PLASTIC BOTTLE

☐ r. OTHER

☐ c. TANK INSIDE BUILDING

☐ g. CARBOY

☐ l. BOX

☐ o. TOTE BIN

☐ d. STEEL DRUM

☐ h. SILO

☒ k. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE

☐ a. AMBIENT

☒ b. ABOVE AMBIENT

☐ c. BELOW AMBIENT

STORAGE TEMPERATURE

☒ a. AMBIENT

☐ b. ABOVE AMBIENT

☐ c. BELOW AMBIENT

☐ d. CRYOGENIC

% WT

HAZARDOUS COMPONENT* (For mixture or waste only)

EHS

CAS #

1 *100*

226

Nitrogen

227

☐ Yes ☐ No

228

~~7782447~~
7727337

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

235

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

236

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City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry CO. INC.

CHEMICAL LOCATION

Building # 2

201

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

202

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

II. CHEMICAL INFORMATION

CHEMICAL NAME

Nickel

205

TRADE SECRET

☐ Yes ☐ No

(If Subject to EPCRA, refer to instructions)

206

COMMON NAME

Nickel

207

EHS*

☐ Yes ☐ No

208

CAS#

7647010

209

*If EHS is "Yes", all amounts below must be in lbs.

209

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL TYPE (Check one item only)

☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE

☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE (Check one item only)

☐ a. SOLID ☒ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

20 GAL.

215

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

216

AVERAGE DAILY AMOUNT

217

12

MAXIMUM DAILY AMOUNT

218

20

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

UNITS*

(Check one item only)

☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

222

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 <i>90</i>	<i>Nickel</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>7647010</i>
2 <i>3</i>	<i>Nickel Oxide</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3 <i>2</i>	<i>Cobaltous Oxide</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

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Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FURNITURE CO. INC

CHEMICAL LOCATION

Between Building 1 & Building 2

201

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

8E

II. CHEMICAL INFORMATION

CHEMICAL NAME

Hydrogen Chloride

205

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

MURIATIC ACID

207

EHS*

☐ Yes ☐ No

CAS#

7647010

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL
TYPE (Check one item only)☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE

☐ Yes ☒ No

212

CURIES

PHYSICAL STATE
(Check one item only)☐ a. SOLID ☒ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

1 Gallon

FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

12.00 GALLON

MAXIMUM DAILY AMOUNT

218

20 Gallons

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

222

STORAGE

CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☒ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 99 226

Hydrogen Chloride

227

☒ Yes ☐ No

228

7647010

229

2 230

231

☐ Yes ☐ No

232

233

3 234

235

☐ Yes ☐ No

236

237

4 238

239

☐ Yes ☐ No

240

241

5 242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry CO.

CHEMICAL LOCATION

NORTHWALL Building #2

Designated 1M

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

9F

II. CHEMICAL INFORMATION

CHEMICAL NAME

FERRO - MOLYBDENUM

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

MOLYBDENUM

EHS*

☐ Yes ☐ No

CAS#

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☐ a. PURE ☒ b. MIXTURE ☐ c. WASTERADIOACTIVE ☐ Yes ☒ No

CURIES

PHYSICAL STATE (Check one item only)

☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

LARGEST CONTAINER

200 lbs.

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

70 lbs.

MAXIMUM DAILY AMOUNT

200.00 lbs.

ANNUAL WASTE AMOUNT

STATE WASTE CODE

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

222

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☒ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 55 226

Molybdenum

☐ Yes ☒ No

228

229

2 32 230

Iron

☐ Yes ☒ No

232

233

3 2 234

Silicon

☐ Yes ☒ No

236

237

4 238

☐ Yes ☐ No

240

241

5 242

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

200

Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO. INC.

CHEMICAL LOCATION

BUILDING #2 Designated 1H

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☒ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

9-F

II. CHEMICAL INFORMATION

CHEMICAL NAME

FERRO CHROME

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

METAL ALLOY

EHS*

☐ Yes ☐ No

CAS#

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE ☒ b. MIXTURE ☐ c. WASTERADIOACTIVE ☐ Yes ☒ No

CURIES

PHYSICAL STATE
(Check one item only)☒ a. SOLID ☒ b. LIQUID ☐ c. GAS

LARGEST CONTAINER

2000

FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

3000 lbs.

MAXIMUM DAILY AMOUNT

8000 lbs.

ANNUAL WASTE AMOUNT

STATE WASTE CODE

UNITS*
(Check one item only)☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

211

DAYS ON SITE:

STORAGE
CONTAINER☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE

☒ a. AMBIENT☐ b. ABOVE AMBIENT☐ c. BELOW AMBIENT

STORAGE TEMPERATURE

☒ a. AMBIENT☐ b. ABOVE AMBIENT☐ c. BELOW AMBIENT☐ d. CRYOGENIC

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

70

226

CHROMIUM

227

☐ Yes ☐ No

228

7440213

229

2

30

230

IRON

231

☐ Yes ☐ No

232

7439896

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

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☐ ADD☐ DELETE☐ REVISE

200

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry Co. INC.

CHEMICAL LOCATION

Building # 2

201

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

9F

II. CHEMICAL INFORMATION

CHEMICAL NAME

205

STEEL ALLOY

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to Instructions

COMMON NAME

207

LOW CARBON IRON

EHS*

☐ Yes ☐ No

208

CAS#

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL TYPE (Check one item only)

☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE (Check one item only)

☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

4000 lbs.

215

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

216

AVERAGE DAILY AMOUNT

217

5000 lbs.

MAXIMUM DAILY AMOUNT

218

12,000.00 lbs.

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

222

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

226

IRON

227

☐ Yes ☒ No

228

7439987

229

2

230

MANGANESE

231

☐ Yes ☒ No

232

7439896

233

3

234

CAS CARBON REACTIVE

235

☐ Yes ☒ No

236

7440213

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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200

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO. INC.

CHEMICAL LOCATION

Building 1 Bay 3 Des. 1K & 2K

201

CHEMICAL LOCATION CONFIDENTIAL
EPCRA☐ YES ☐ NO

3

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

II. CHEMICAL INFORMATION

CHEMICAL NAME

ISOPROPYL ALCOHOL

205

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

207

EHS*

☐ Yes ☐ No

208

CAS#

67630

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE

☐ Yes ☒ No

212

CURIES

PHYSICAL STATE
(Check one item only)☐ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

55

FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

MAXIMUM DAILY AMOUNT

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

30 GAL.

55 GAL.

UNITS*
(Check one item only)☒ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

STORAGE
CONTAINER
☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 100

226

ISOPROPYL ALCOHOL

227

☐ Yes ☒ No

228

67630

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

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200

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODEEN PATTERN & FOUNDRY CO. INC.

3

CHEMICAL LOCATION

Building #1 Bay #5 Des. 14 1/2 21

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

8E 486

II. CHEMICAL INFORMATION

CHEMICAL NAME

Silicon Dioxide

205

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

FUSED SILICA

207

EHS*

☐ Yes ☐ No

208

CAS#

7631869

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL
TYPE (Check one item only)☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

PHYSICAL STATE
(Check one item only)☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

5.5

FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

2000.00 lbs.

MAXIMUM DAILY AMOUNT

218

22,000 lbs.

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

UNITS*
(Check one item only)☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

STORAGE

CONTAINER

☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☒ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

99

226

Silica Crystalline

227

☐ Yes ☒ No

228

7631869

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

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4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO. INC.

3

CHEMICAL LOCATION

BUILDING #2 Designated I-I

201

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

II. CHEMICAL INFORMATION

CHEMICAL NAME

FERRO Silicon Alloys

205

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

207

EHS*

☐ Yes ☐ No

208

CAS#

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE
(Check one item only)☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

400 lbs.

215

FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

216

AVERAGE DAILY AMOUNT

217

MAXIMUM DAILY AMOUNT

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

1200.00 lbs.

10,000 lbs.

UNITS*
(Check one item only)☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

222

STORAGE

CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

90

226

Silicon

227

☐ Yes ☐ No

228

7440213

229

2

10

230

Iron

231

☐ Yes ☐ No

232

7439896

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO. INC.

3

CHEMICAL LOCATION

16

201

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☒ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

8, F Disinfectant 16

II. CHEMICAL INFORMATION

CHEMICAL NAME

205

CALCIUM SULFATE HEMI

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

207

DUROL

EHS*

☐ Yes ☐ No

208

CAS#

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

PHYSICAL STATE
(Check one item only)☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

*100 lbs.*FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

MAXIMUM DAILY AMOUNT

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

UNITS*
(Check one item only)☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

*365*STORAGE
CONTAINER
☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☒ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 *90*

226

CALCIUM SULFATE

227

☐ Yes ☐ No

228

7778189

229

2 *10*

230

Silica, Crystalline

231

☐ Yes ☐ No

232

14808607

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

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Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

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I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO. INC.

3

CHEMICAL LOCATION

201

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

II. CHEMICAL INFORMATION

CHEMICAL NAME

205

2009 Q

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

207

Chem Rez Catalyst

EHS*

☐ Yes ☐ No

208

CAS#

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☐ No

212

CURIES

PHYSICAL STATE
(Check one item only)☐ a. SOLID ☒ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

*550*FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

400

MAXIMUM DAILY AMOUNT

218

1000

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

UNITS*

(Check one item only)

☒ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

STORAGE

CONTAINER

☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ e. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 *75* 226*Sulfonic Acids*

227

☐ Yes ☒ No

228

229

2 *25* 230*Inorganic Acids*

231

☐ Yes ☒ No

232

233

3 234

235

☐ Yes ☒ No

236

237

4 238

239

☐ Yes ☐ No

240

241

5 242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

203

Page 3 of

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry CO. INC.

CHEMICAL LOCATION

Build 1 Bay 3 & Yard NW 2F

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

II. CHEMICAL INFORMATION

CHEMICAL NAME

Chem Rez

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to Instructions

COMMON NAME

Chem Rez

EHS*

☐ Yes ☐ No

CAS#

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

RADIOACTIVE ☐ Yes ☐ No

CURIES

PHYSICAL STATE (Check one item only)

☐ a. SOLID ☒ b. LIQUID ☐ c. GAS

LARGEST CONTAINER

550 lbs

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

700 lbs.

MAXIMUM DAILY AMOUNT

2500 lbs.

ANNUAL WASTE AMOUNT

STATE WASTE CODE

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

DAYS ON SITE:

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☒ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 *20*

226

FATTY ACIDS

227

☐ Yes ☒ No

228

229

2 *5*

230

Resocinol

231

☐ Yes ☐ No

232

108463

233

3 *2*

234

Methyl Alcohol

235

☐ Yes ☐ No

236

67561

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

200

Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO. INC

CHEMICAL LOCATION

201

CHEMICAL LOCATION CONFIDENTIAL
EPCRA

202

☐ YES ☒ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

8-F

II. CHEMICAL INFORMATION

CHEMICAL NAME

205

CASTING WAX

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

207

WAX

EHS*

☐ Yes ☐ No

208

CAS#

209

8002742

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

CURIES

213

PHYSICAL STATE
(Check one item only)☒ a. SOLID ☐ b. LIQUID ☐ c. GAS

214

LARGEST CONTAINER

70 lbs.

215

FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

216

AVERAGE DAILY AMOUNT

217

6000.00 lbs.

MAXIMUM DAILY AMOUNT

218

10,000 lbs.

ANNUAL WASTE AMOUNT

219

NO WASTE All Recycled
Reused

STATE WASTE CODE

220

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☒ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

365

222

STORAGE

CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☒ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

226

227

☐ Yes ☐ No

228

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

200

Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry CO.

CHEMICAL LOCATION

Bldg. 1 Bm 2 1C 2C

201

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

202

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

3F 4F

II. CHEMICAL INFORMATION

CHEMICAL NAME

CARBON DIOXIDE

205

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to instructions

COMMON NAME

207

EHS*

☐ Yes ☐ No

208

CAS#

124389

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☒ a. PURE ☐ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

PHYSICAL STATE (Check one item only)

☐ a. SOLID ☐ b. LIQUID ☒ c. GAS

214

LARGEST CONTAINER

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

217

MAXIMUM DAILY AMOUNT

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

221

DAYS ON SITE:

222

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☐ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☒ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1

226

CARBON DIOXIDE

227

☐ Yes ☒ No

228

124389

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(use page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

200

Page ____ of ____

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & Foundry CO.

3

CHEMICAL LOCATION

Bldg. 1 Bay 1 & Bay 2 1A, 2A

201

CHEMICAL LOCATION CONFIDENTIAL

202

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

203

GRID# (optional)

204

2F, 4F

II. CHEMICAL INFORMATION

CHEMICAL NAME

ACETYLENE

205

TRADE SECRET

☐ Yes ☐ No

206

If Subject to EPCRA, refer to Instructions

COMMON NAME

207

EHS*

☐ Yes ☐ No

208

CAS#

74862

209

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

210

HAZARDOUS MATERIAL
TYPE (Check one item only)☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

211

RADIOACTIVE ☐ Yes ☒ No

212

CURIES

213

PHYSICAL STATE
(Check one item only)☐ a. SOLID ☐ b. LIQUID ☒ c. GAS

214

LARGEST CONTAINER

335

215

FED HAZARD CATEGORIES
(Check all that apply)☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

216

AVERAGE DAILY AMOUNT

217

MAXIMUM DAILY AMOUNT

218

ANNUAL WASTE AMOUNT

219

STATE WASTE CODE

220

100 GALLONS

335 GALLONS

UNITS*
(Check one item only)☐ a. GALLONS ☒ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

221

DAYS ON SITE:

222

STORAGE

CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☒ l. CYLINDER ☐ p. TANK WAGON

223

STORAGE PRESSURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

224

STORAGE TEMPERATURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

225

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 100

226

Acetylene

227

☒ Yes ☐ No

228

74862

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

200

Page ____ of ____

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO. INC.

CHEMICAL LOCATION

Bldg. 1 Brg #1 Brg #4 1B, 2B, 3B

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

2C, 7F, 7G

II. CHEMICAL INFORMATION

CHEMICAL NAME

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

ARGON

EHS*

☐ Yes ☐ No

CAS#

7440371

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☒ a. PURE ☐ b. MIXTURE ☐ c. WASTERADIOACTIVE ☐ Yes ☒ No

CURIES

PHYSICAL STATE (Check one item only)

☐ a. SOLID ☐ b. LIQUID ☒ c. GAS

LARGEST CONTAINER

304

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

300

MAXIMUM DAILY AMOUNT

690

ANNUAL WASTE AMOUNT

STATE WASTE CODE

UNITS*

(Check one item only)

☐ a. GALLONS ☐ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

* If EHS, amount must be in pounds.

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ e. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☒ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 100

226

Argon

227

☐ Yes ☐ No

228

7440371

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

City of Vernon - Unified Program (CUPA) Agency
4305 S. Santa Fe Ave., Vernon, CA 90058

Section IIA: HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION FORM

(one page per material per building or area)

☐ ADD☐ DELETE☐ REVISE

200

Page ___ of ___

I. FACILITY INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)

MODERN PATTERN & FOUNDRY CO.

CHEMICAL LOCATION

Bldg. 1 Bay 1 & Bay 2 1A, 2A

CHEMICAL LOCATION CONFIDENTIAL

EPCRA

☐ YES ☐ NO

FACILITY ID #

MAP# (optional)

GRID# (optional)

2F, 4F

II. CHEMICAL INFORMATION

CHEMICAL NAME

ACETYLENE

TRADE SECRET

☐ Yes ☐ No

If Subject to EPCRA, refer to instructions

COMMON NAME

EHS*

☐ Yes ☐ No

CAS#

74862

*If EHS is "Yes", all amounts below must be in lbs.

FIRE CODE HAZARD CLASSES (See pages 29 and 30 of this application)

HAZARDOUS MATERIAL TYPE (Check one item only)

☐ a. PURE ☒ b. MIXTURE ☐ c. WASTE

RADIOACTIVE

☐ Yes ☒ No

CURIES

PHYSICAL STATE (Check one item only)

☐ a. SOLID ☐ b. LIQUID ☒ c. GAS

LARGEST CONTAINER

335

FED HAZARD CATEGORIES (Check all that apply)

☐ a. FIRE ☐ b. REACTIVE ☐ c. PRESSURE RELEASE ☐ d. ACUTE HEALTH ☐ e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT

100 GALLONS

MAXIMUM DAILY AMOUNT

335 GALLONS

ANNUAL WASTE AMOUNT

STATE WASTE CODE

UNITS* (Check one item only)

☐ a. GALLONS ☒ b. CUBIC FEET ☐ c. POUNDS ☐ d. TONS

*If EHS, amount must be in pounds.

221

DAYS ON SITE:

STORAGE CONTAINER

☐ a. ABOVE GROUND TANK ☐ c. PLASTIC/NONMETALLIC DRUM ☐ i. FIBER DRUM ☐ m. GLASS BOTTLE ☐ q. RAIL CAR
☐ b. UNDERGROUND TANK ☐ f. CAN ☐ j. BAG ☐ n. PLASTIC BOTTLE ☐ r. OTHER
☐ c. TANK INSIDE BUILDING ☐ g. CARBOY ☐ k. BOX ☐ o. TOTE BIN
☐ d. STEEL DRUM ☐ h. SILO ☒ l. CYLINDER ☐ p. TANK WAGON

STORAGE PRESSURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT

STORAGE TEMPERATURE

☐ a. AMBIENT ☐ b. ABOVE AMBIENT ☐ c. BELOW AMBIENT ☐ d. CRYOGENIC

% WT

HAZARDOUS COMPONENT (For mixture or waste only)

EHS

CAS #

1 100

226

Acetylene

227

☒ Yes ☐ No

228

74862

229

2

230

231

☐ Yes ☐ No

232

233

3

234

235

☐ Yes ☐ No

236

237

4

238

239

☐ Yes ☐ No

240

241

5

242

243

☐ Yes ☐ No

244

245

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

246

If EPCRA, Please Sign Here

CWS 2010

**California Water Service Company – East Los Angeles District, website
information, http://www.calwater.com/your_district/index.php?District=ela,
data accessed June 21, 2010**



East Los Angeles District

Commerce, Montebello, East Los Angeles, and portions of Monterey Park and Vernon

Customer Center
3316 West Beverly
Blvd.
Montebello, CA 90640
8:30 a.m. to 5 p.m.
(323) 722-8601
infoELA@calwater.com

District Manager
David
Karraker

After Hours
Emergency Phone Number
(323) 263-4145

Pay Stations

You can pay Cal Water bills at any of the pay stations listed below. Note that there is a \$1 Western Union service charge to pay your bill at a pay station. Please notify your local Customer Center if you are paying an overdue bill at a pay station.

A Check Cashing
4840 Whittier Blvd.
Los Angeles, CA 90022

Dearden's Commerce
5730 Whittier Boulevard
Commerce, CA 90022

Checks 2 Cash
6016 Whittier Boulevard
Los Angeles, CA 90022

Mundo Check Cashing #2
705 South Atlantic Avenue



More East Los Angeles Information


- [Consumer confidence reports](#)
- [Available rebates](#)
- [Rate information](#)
- [2009 rate case information](#)
- [Customer center map \(Google\)](#)

Hot Topics

Drought: [Stage I of drought management plan activated](#)

Video: [See the Cal Water corporate video](#)

View Another District

East Los Angeles 

or enter Zip code:

Show district

Los Angeles, CA 90022

Mundo Check Cashing #3
3821 East Whittier Boulevard
Los Angeles, CA 90023

Super Discount Market
3980 East Olympic
Los Angeles, CA 90023

Bandini Market
2313 South Atlantic
Commerce, CA 90040

Call For Cash
3474 East 1st Street
Los Angeles, CA 90063

Cals Check Cashing Service #2
2341 West Whittier Boulevard
Montebello, CA 90640

Henry's Pharmacy
127 North Garfield Avenue
Monterey Park, CA 91754

Nu Way Market
1472 Monterey Pass Road
Monterey Park, CA 91754

Su Casa De Cambio
(four locations)

6571 E Olympic Blvd.
Los Angeles CA 90022

4732 E Whittier Blvd.
Los Angeles 90022

2132 E Cesar Chavez Ave.
Los Angeles CA 90033

3657 E 1st St.
Los Angeles CA 90063

General Information

Cal Water has provided high-quality water utility services in the East Los Angeles area since 1928. In addition to the 26,600 customer connections in our East Los Angeles system, we serve 2,800 customer

connections through operating contracts with the Cities of Commerce and Montebello.

East Los Angeles

To meet our customers' needs, we use a combination of local groundwater and purchased water from the Metropolitan Water District of Southern California (MWD), which is imported from the Colorado River and the State Water Project in northern California. The East Los Angeles water system currently includes 10 active wells, 29 booster pumps, 16 storage tanks, and three MWD connections.

In 2008, Cal Water completed the construction of a new iron and manganese treatment facility, and more are on track to be constructed. A new well was constructed in 2008, additional wells are being explored, and we are beginning the design of a new 2.5-million-gallon storage reservoir that we hope to complete in 2010.

City of Commerce

Cal Water has provided high-quality water utility services to the area served by the City of Commerce water system since 1985. To meet our customers' needs, we use a combination of local groundwater and purchased water from the Metropolitan Water District of Southern California (MWD), which is imported from the Colorado River and the State Water Project in northern California. The City of Commerce water system includes four wells, 12 booster pumps, five storage tanks, and one MWD connection.

In the past two years, Cal Water has completed the construction of two new wellhead treatment facilities. These new facilities are part of our continuing effort to proactively maintain and upgrade facilities and ensure a reliable, high-quality supply.

Montebello

Cal Water has provided high-quality water utility services to the area served by the City of Montebello water system since 1992. To meet our customers' needs, we use a combination of local groundwater and purchased water from the Metropolitan Water District of Southern California (MWD), which is imported from the Colorado River and the State Water Project in northern California. The City of Montebello water system includes one well, nine booster pumps, three storage tanks, and two MWD connections. Cal Water proactively maintains the City-owned water facilities to ensure a reliable, high-quality supply.

Bill Inserts

If you are eligible for Cal Water eBilling, you can select your city, community, or water system to see a list of current bill inserts

- [City of Commerce](#)
- [City of Montebello](#)
- [East Los Angeles](#)

DTSC 2000

**California Environmental Protection Agency, Department of Toxic Substances
Control, EPA Region 9 Site Screening/Prioritization Checklist, December 6,
2000**

EPA REGION IX SITE SCREENING/PRIORITIZATION CHECKLIST

This review checklist is to be used by individual site screening staff when reviewing sites which have been brought to the attention of EPA or the State. Each site is reviewed on the merits of the discovery documentation and additional information gathered during the screening process. The guiding principal in evaluating a given site is to use common sense in assessing the information and subsequently presenting the site and its known hazardous potential to the SST. All sections of this form are to be completed for both screens and prioritizations.

1.0 GENERAL INSTRUCTIONS

1.1 Site Information

Site Name: Modern Pattern & Foundry Co. Inc. (MP)

Alias Name: _____

Site Street Address: 5610 Alcoa Ave.

City, County, State: Vernon, Los Angeles County, California 90058

CERCLIS/EPA ID Number: CAD982025488

Site Screener: Teresa Hom Date: August 30, 1999

Date of Discovery: November 1997

Discovery Vehicle:

- | | | |
|--|--|---|
| <input type="checkbox"/> County Referral | <input type="checkbox"/> State Referral | <input type="checkbox"/> Lawsuit |
| <input type="checkbox"/> Citizen Petition | <input type="checkbox"/> State PA/SI Grant | <input type="checkbox"/> Removal |
| <input type="checkbox"/> RCRA Referral | <input type="checkbox"/> Nonemergency Release Report | <input type="checkbox"/> Newspaper |
| <input checked="" type="checkbox"/> Site Discovery Project | | <input checked="" type="checkbox"/> Other: <u>Vernon Site Discovery Project</u> |

Is this site part of an NPL site? ☐ Yes ☒ No

CERCLIS Status:	<input type="checkbox"/> Discovery	<input type="checkbox"/> PA
<input type="checkbox"/> NFA	<input type="checkbox"/> SI	<input type="checkbox"/> ESI
<input checked="" type="checkbox"/> Not in CERCLIS	<input type="checkbox"/> Other/Specify: _____	<input checked="" type="checkbox"/> Site Discovery Project
		Area: <u>Vernon</u>

State oversight role:

PA/SI Cooperative Agreement ☒ V999252 -02

EPA Project Officer: Rachel Loftin

RCRA Status:	<input type="checkbox"/> Generator	<input type="checkbox"/> Transporter
	<input type="checkbox"/> TSDF	<input checked="" type="checkbox"/> Not listed in RCRIS

In a State Database(s)? ☐ Yes ☒ No If yes, specify. Not in DTSC's Tiered Permitting Database or Cal Sites. In Haznet, but designated as inactive per survey.

CURRENT ACTIVITY: ☒ Site Screening ☐ Site Prioritization

1.2 CERCLA Eligibility

If the answer to question 1 is "No", or if the answer to any question of 2 through 8 is "Yes", the site is ineligible for CERCLA evaluation and the decision at the bottom of this page is "No Further Action Under CERCLA". A "yes" answers to questions 9 through 16 identifies sites that may not be appropriate for CERCLA evaluation without further justification. If a question cannot be answered, explain why in the Comments section below.

- | | | |
|--|---|--|
| 1. Has a release of hazardous substances, pollutants, or contaminants occurred? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. Does the release or threat of release consist only of crude oil or unaltered petroleum product? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 3. Is the site subject to corrective action under RCRA Subtitle C (hazardous waste treatment, storage, or disposal facility)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 4. Does the release or threatened release fall under the jurisdiction of the Uranium Mill Tailings Radiation Control Act (UMTRCA)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 5. Does the release or threatened release fall under the jurisdiction of the Atomic Energy Act (AEA)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 6. Is the release or threatened release a result of a legal application of pesticides under Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 7. Is the release or threatened release regulated under the Oil Pollution Act (OPA)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 8. Is the release or threatened release permitted under the Nuclear Regulatory Commission (NRC)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 9. Is the site a federal facility? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 10. Is the site outside of U.S. boundaries? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 11. Is the site outside of EPA, Region IX borders? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 12. Is the site within Native American Tribal lands? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 13. Is the site currently under the control and management of a state/local agency? If yes, which agencies? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 14. Is the site currently operating? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 15. Is the site address valid? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 16. Has the site been investigated under an alias? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

Comments: _____

DECISION: ☐ **No Further Action Under CERCLA**

☒ **Go to Section 2**

2.0 TECHNICAL INFORMATION

This section contains information about site's operational history and environmental sampling. Complete the following section by filling in the blanks or checking the appropriate boxes. If a question cannot be answered, explain why. If a drive-by is performed, complete Attachment B.

2.1 Operational History

1a. List present site owner(s) and operator(s). [Include dates of ownership]:

Site owner: Roland Meckel, President and General Manager since 1994-present.

Operators: Roland Meckel, President and General Manager since 1983-present. Mr. Meckel started working at MP in 1967 and has continued with the Corporation in various roles as President and General Manager to the present.

1b. Are hazardous substances presently on site?

☒ Yes ☐ No

If yes, how and where are substances stored and used?

Foundry operations producing steel and aluminum castings. Most of the castings are built for the aerospace industry. MP performs both 1. Investment castings or lost wax process and 2. Sand castings. The castings are metal and usually either aluminum or stainless steel castings with chemicals added to give the metal the specified characteristics necessary, such as hardness or other strength of materials property. The solid base metals are stored inside. Only a small amount of cleaning solvent is stored outdoors. Liquids are stored in steel drums. The base metals are stored in wooden boxes. There is secondary containment of chemicals and waste. There is a Health and Safety Program enforced. Sand is used to clean up some liquids spills. A typical casting might contain 290 lbs of base metal and 10 lbs of a chemical added to the metal to bring the casting to a certain specification.

2a. List historic site owner(s) and operator(s). [Include dates of ownership]:

Operators: Stockholder changes occurred in 1968, 1972, 1986, and 1994. Two of the original stockholders passed away in 1968 and 1972. Heirs of these men sold their ownership in 1978 and 1986. Final original stockholder passed away in 1993 and his ownership was purchased by the current stockholder in 1994. Operator and Landowner (unknown -1983) Mr. E. C. Hasselberg, who passed away about 1990's.

Operator: (unknown-1983) : Mr. Meckel

Operator: (1983-1994) Mr. Meckel

Operator and Landowner: (1994-present): Mr. Roland Meckel, President and General Manager

MP was incorporated in August, 1946. Current plant facility was constructed by MP in 1946.

2b. Were hazardous substances present on site in the past?

☒ Yes ☐ No

If yes, how and where were substances stored and used? Describe past operations briefly.

Facility has been used as a foundry and pattern shop from original formation in 1946-present. Any uses of the real property prior to 1946 are not known by current owners and operators, and as far as can be

determined, none of the employees in 1946 are living today. MP incorporated in 1946.

Supposedly 1,1,1 trichloroethane was used to clean parts, in past in 1946 until about 1988.

In the 1940s (approximately) until a unknown time, the foundry performed their processes on the dirt and there were no concrete or asphalt floors. In the past sometimes the molten metal was poured into molds dug into the dirt or ground and poured into the ground. Formaldehyde was used prior to 1990. It was discontinued to be used in 1990.

Additional comments: Facility has been used only as a foundry and pattern shop from original formation in 1946 to present. Current Plant Facility was constructed by MP in 1946 and with additions and one detached building completed about 1964 or 1968. Original building was built on a vacant lot which now comprises the total facility. M. P the business started in 1938 and occupied a site a few blocks away and also next door. There is a stand alone Building built in 1968 which is about 20 feet away from the main building. This stand alone building has ceramic ovens, furnace and stores solid metals.

2.2 Contaminant(s):

List any hazardous substances, pollutants, or contaminants that have been identified at the site and indicate whether they have been quantified (e.g., by sampling).

	<u>Suspected</u>	<u>Identified</u>	<u>Quantified</u>	<u>Comments</u>
<input type="checkbox"/> Ammonia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Arsenic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Asbestos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Beryllium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Cadmium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Carbon tetrachloride	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Chloroform	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Chromium (+3 or +6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Copper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Cyanide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Dichloroethene, 1,1- (DCE)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Dioxin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Ethyl benzene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Lead	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Mercury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Methylene chloride	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Nickel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> P-Dichlorobenzene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Pentachlorophenol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Phenol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Polychlorinated biphenyls (PCBs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Polyaromatic hydrocarbons (PAHs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Tetrachloroethylene (PCE)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Toluene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Trichloroethylene (TCE)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Vinyl chloride	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Xylene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Zinc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/> Other chemicals (List):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TCA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Additional Comments: _____

2.3 Has a release as defined in CERCLA Section 101(22) occurred?

☐ Yes ☐ Suspected ☒ No

Identify the source(s) of the release or suspected release (e.g., drums, landfill, surface impoundment, waste pile, etc.):

2.4 Pathway(s) of contaminant migration:

☐ Air ☐ Groundwater ☐ Surface Water ☐ Soil

Briefly describe any identified pathway:

None detected, known or found.

2.5 Sampling History

1. Has sampling been conducted? ☐ Yes ☒ No

2. If environmental sampling has been conducted, use the Sampling Event Summary Table, Attachment C, to record the information.

2.6 Additional Information

Use this space to present additional information that may be used to support site screening decisions.

DTSC staff noticed poor housekeeping during a drive by in 1997 from the exterior.

15 gallons of spent cleaning solvent is picked up as waste per month.

3.0 REMOVAL ASSESSMENT CRITERIA — NCP EVALUATION

Use the following criteria to determine if the site should be referred to EPA's Removal Section. If the answer to any question is yes, get EPA concurrence for the decision. If all answers are no, go to Section 4. If a question cannot be answered, explain why in the Comments section below.

- | | | |
|---|---|--|
| 1. Is there actual or potential exposure to nearby populations, animals, or the food chain from hazardous substances, pollutants, or contaminants? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. Is there actual or potential contamination of drinking supplies or sensitive ecosystems? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 3. Are hazardous substances, pollutants, or contaminants in drums, barrels, tanks, or other bulk storage containers which may pose a threat of release? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 4. Are there high levels of hazardous substances, pollutants, or contaminants in soils largely at or near the surface, which may migrate and affect populations or the environment? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 5. Could weather conditions cause hazardous substances, pollutants, or contaminants to migrate or be released? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 6. Is there a threat of fire or explosion? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 7. Are there appropriate Federal or State response mechanisms to respond to the release or potential release? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 8. Are there other situations or factors which may pose threats to public health, welfare, or the environment? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 9. For the situation where there appears to be primarily a groundwater contamination problem, is there a near-surface source which can be removed? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

Comments:

DECISION: ☐ **Removal Assessment**

☒ **Not Appropriate For Removal Action**

4.0 OTHER INFLUENCING FACTORS

Assign a high, medium, or low priority category to each of the following factors and then use these factors to help make preliminary recommendations in Section 5. A high priority influence may indicate that a Preliminary Assessment should be conducted as a high priority without regard to other screening factors.

Other Influences	High	Medium	Low
1. Site remedial/ removal history	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Some	<input type="checkbox"/> All wastes removed
2. Regulatory involvement	<input type="checkbox"/> No involvement	<input checked="" type="checkbox"/> Somewhat involved	<input type="checkbox"/> Other agency currently active
3. Environmental justice	<input type="checkbox"/> Site is in low income/minority neighborhood		<input checked="" type="checkbox"/> Site is not in low income or minority neighborhood
4. Brownfields/ Redevelopment	<input type="checkbox"/> Possible candidate		<input checked="" type="checkbox"/> Not a likely candidate
5. Political attention	<input type="checkbox"/> Very visible/vocal	<input type="checkbox"/> Some involvement	<input checked="" type="checkbox"/> None
6. Public attention	<input type="checkbox"/> Very visible/vocal	<input type="checkbox"/> Some involvement	<input checked="" type="checkbox"/> None
7. Remedial Costs	<input checked="" type="checkbox"/> Likely very expensive or difficult		<input type="checkbox"/> Easy and relatively cheap

Comments:

[illegible]

OTHER INFLUENCING FACTORS CATEGORY:

HIGH

MEDIUM

(LOW)

5.0 SITE PRIORITIZATION WORKSHEET

Site Name: MP
 EPA ID Number: CAD982025488
 Site Screen: X

Site Screener: Teresa Hom
 Date: June 30, 1999
 Site Prioritization: _____

The following risk-based criteria should be used as a guideline to assist in the prioritization of pre-CERCLIS and CERCLIS sites. These guidelines can be used in various stages of assessment. When interpreting the information provided below, one should understand that conservative assumptions were made where information is lacking and the risk value is subjective.

Site screeners should complete this form by using the categories as guidelines. The "Notes" sections should be used to document assumptions made, data sources, or other information pertinent to determining risk prioritization. For benchmarks, use industrial/residential PRGs for soil, MCLs for groundwater, and NOAA standards for sediments.

5.1 HAZARDS IDENTIFICATION

Complete the sections below for the suspected contaminants of greatest concern. Use SCDMs as a reference for assigning hazardous substance risk category. Assign a Hazard Factor for each hazardous substance evaluated and then assign an Overall Hazard Factor Value combining the separate Hazard Factors. If only one hazardous substance is evaluated, the Overall Hazard Factor Value will be the same as the Hazard Factor for A. Create sections for "Hazardous Substance C" and "D" if necessary.

HAZARDOUS SUBSTANCE A: <u>TCA</u>			
Estimate the risk associated with the hazard properties for this hazardous substance.			
Hazard Property	HIGH	MEDIUM	LOW
Quantity	<input type="checkbox"/> $\geq 10,000$ lbs; or or 5 mil. gals; or or 25,000 yds ³	<input type="checkbox"/> $< 10,000$ lbs and ≥ 100 lbs; or < 5 mil. gals and $\geq 50,000$ gals; or $< 25,000$ yds ³ and ≥ 250 yds ³	<input checked="" type="checkbox"/> < 100 lbs. or 50,000 gals. or 250 yds ³
Toxicity	<input type="checkbox"/> $\geq 10,000$	<input type="checkbox"/> $< 10,000$ and ≥ 100	<input checked="" type="checkbox"/> < 100
Mobility	<input checked="" type="checkbox"/> = 1	<input type="checkbox"/> < 1 and ≥ 0.001	<input type="checkbox"/> < 0.001
Bioavailability	<input type="checkbox"/> $\geq 1,000$	<input type="checkbox"/> $< 1,000$ and ≥ 10	<input checked="" type="checkbox"/> < 10
Concentration (if known)	<input type="checkbox"/> \geq benchmark = sample = _____	<input type="checkbox"/> near benchmark = sample = _____	<input checked="" type="checkbox"/> low relative to benchmark = <u>1.2E03 mg/kg</u> Residential Soil sample = _____
Level of Containment	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Partial (explain below)	<input type="checkbox"/> Full (explain below)
Hazard Factor for A	HIGH	MEDIUM	LOW

Comments: Suspected use in past. PRG Soil: 1.2E03 mg/kg Residential, noncancer.

OVERALL HAZARD FACTOR VALUE: HIGH MEDIUM (LOW)

5.2 VULNERABILITY ANALYSIS

Assign a risk category to each of the following vulnerability factors. Assign an Overall Vulnerability Factor Value for the site based on the dominant vulnerability risk categories.

Vulnerability Factor	High	Medium	Low
1. Environmental Setting - Land use within 0.5 miles of the site	<input type="checkbox"/> Residential	<input type="checkbox"/> Agricultural/ Commercial	<input checked="" type="checkbox"/> Industrial
2. Sensitive Populations - Children, the elderly, or groups with poor health live:	<input type="checkbox"/> Within 0.25 miles of site		<input checked="" type="checkbox"/> More than 0.25 miles from site
3. Population Density - Evaluate within 0.5 miles.	<input checked="" type="checkbox"/> Dense	<input type="checkbox"/> Moderate	<input type="checkbox"/> Sparse
4. Groundwater Use - Wells used for drinking water are located:	<input checked="" type="checkbox"/> Within 0.5 miles of the site	<input type="checkbox"/> 0.5 to 2 miles from site	<input type="checkbox"/> More than 2 miles from site
5. Groundwater Contamination - Evaluate groundwater contamination within 2 miles of the site.	<input type="checkbox"/> Known	<input type="checkbox"/> Possible	<input checked="" type="checkbox"/> Not likely
6. Surface Water Location - Distance to nearest surface water body. If used for drinking water or known to be contaminated, bump to next higher risk category.	<input type="checkbox"/> Within 0.5 miles of the site	<input type="checkbox"/> 0.5 to 2 miles from site	<input checked="" type="checkbox"/> More than 2 miles from site
7. Sensitive Habitats - Distance to nearest sensitive habitat. If known or projected contamination within habitat, bump to next higher risk category.	<input type="checkbox"/> Within 0.5 miles of the site	<input type="checkbox"/> 0.5 to 2 miles from site	<input checked="" type="checkbox"/> More than 2 miles from site
8. Soil/Air Contamination - Evaluate the potential for exposure to individuals from contaminated soil or air releases.	<input type="checkbox"/> Documented or probable exposure	<input type="checkbox"/> Potential for exposure	<input checked="" type="checkbox"/> Exposure not likely
9. Sampling Data Confidence - Evaluate the quality of any data available for the site.	<input checked="" type="checkbox"/> No oversight; no QA/QC; no data	<input type="checkbox"/> Regulatory oversight; EPA methods; partial or unknown QA/QC	<input type="checkbox"/> Regulatory oversight; EPA methods; QA/QC validation

Notes:

OVERALL VULNERABILITY FACTOR VALUE:

HIGH

MEDIUM

LOW

Assign a Site Priority Level based on the dominant risk categories given for the hazard and vulnerability factor values.

OTHER INFLUENCING FACTORS	HIGH	MEDIUM	<u>LOW</u>
HAZARD FACTOR VALUE	HIGH	MEDIUM	<u>LOW</u>
VULNERABILITY FACTOR VALUE	HIGH	MEDIUM	LOW

Additional Comments:

OVERALL SITE PRIORITY LEVEL: HIGH MEDIUM LOW

6.0 SITE RECOMMENDATION

Site Name: MP Modern Pattern Site Screener: Teresa Horn
EPA ID Number: CAD982025488 Date: June 30, 1999

6.1. Further Site Assessment Warranted

6.1.a Under DTSC Lead

[]

Recommend further site investigation under DTSC lead.

6.1.b Under EPA Cooperative Agreement

High Priority []

Medium Priority []

Low Priority [x]

Recommend further site investigation under the EPA cooperative agreement.

6.2. Recommended for Removal Assessment or Expanded Removal Assessment

[]

[]

Recommend referral to EPA's Removal Section.

6.3. Referral To DTSC'S Hazardous Waste Management Program (REFRC)

[]

Recommend REFRC for sites that can be remediated as a Corrective Action under H&S Code 25187.

6.4 Referral to Regional Water Quality Control Board (REFRW)

[]

Recommend REFRW for sites that fall under RWQCB authority and for which RWQCB is providing oversight of investigation/remediation.

6.5 Referral to another agency (REFOA)

[]

Recommend REFOA for sites where another agency (other than RWQCB) including DTSC is providing or has provided oversight. Name agency below.

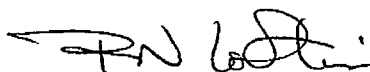
6.6 No Action Under CERCLA

[]

Recommend No Action for sites where documented contamination is not significant by EPA/DTSC standards and the presence of greater contamination is unlikely.

Comments: _____

EPA CONCURRENCE: _____



signature

12-6-00

date

Attachment A

SITE SCREENING CONTACT LOG

Site Name: MPSite Screener: Teresa Hom

Contact Name	Affiliation	Telephone Number	Date	Discussion
Rafael Gonzales	plant manager, superintendent	213/ 583-4912.	3/98	Requested information on the site. Referred me to other worker.
Charles		213/583-4451		Requested information on the site.
Mel Craig	Controller, MP	(213) 583-4921	3/9/98, 3/10/98	Requested information on the site.
Butch Griffiths	Environmental Consultants. Cast Metals Services, Inc.	(909) 2364247, Mobile: 909/ 2369247	4/22 /98	Asked for documents and information.
Butch Griffiths	Environmental Consultants. Cast Metals Services, Inc.	(909) 2364247, Mobile: 909/ 2369247	11/12 /98	Asked for documents and information.
Butch Griffiths	Environmental Consultants. Cast Metals Services, Inc.	(909) 2364247, Mobile: 909/ 2369247	12/4 /98	Asked for documents and information.
Mel Craig	Controller, MP	(213) 583-4921	12/4/98	Discussed the site history and information.

Attachment A

SITE SCREENING CONTACT LOG

Site Name: MPSite Screener: Teresa Hom

Contact Name	Affiliation	Telephone Number	Date	Discussion
File Room-	Regional Water Quality Control Board, Los Angeles District, (RWQCB),	213/ 266-7601	1/22/98	Requested information on files.
Jenny Au	Regional Water Quality Control Board, Los Angeles District, (RWQCB),	(213) 266-7576	Feb. 4 1998	Requested site information, data, maps and update on site. Left message to locate file for review.
Mike Sung	RWQCB	(213) 266-7561 Fax: 5988	Feb. 2, 1998	He could not find file. There was no record of the site. He asked in the office and no one remembers working on the site.
Joanna Lee	RWQCB	213/ 266-7661	1998	Requested information on files.
Jenny Au	Regional Water Quality Control Board, Los Angeles District, (RWQCB),	(213) 266-7576	Feb. 4 1998	Requested site information, data, maps and update on site. Left message to locate file for review.
File Room-Margie	RWQCB	213/ 266-7601	2/98	Requested information again since my request was lost.
David Rasmussen	RWQCB	213/266-7641	4/2/1998	Requested information on the site. He did not have any record of the site.
David Rasmussen	RWQCB	213/266-7641	4/22/1998	He discussed information on site. He finally found files.

<u>Roland Meckel</u>	Modern Pattern, Pres.	323/ 5834921	8/17/99	Requested additional data and information on the site.
Butch Griffiths	Environmental Consultants. Cast Metals Services, Inc.	(909) 2364247, Mobile: 909/ 2369247	8/27/99	Asked for documents and information again. He stated he sent it to Sacramento.

ATTACHMENT B

SITE SCREENING OBSERVATION RECORD

Site Name: MP
EPA ID Number: CAD982025488

Site Screener: Teresa Hom
Date: May, 1999

1. Status: Active ☒ Inactive _____ Different Company _____
2. Setting: Residential _____ Commercial _____
Industrial ☒ Agricultural _____
Paved _____ Unpaved _____
Restricted access ☒ Unrestricted access _____
Near RR tracks _____ Near drainage _____
Vegetation _____
Topography _____

3. Visibility: Clear

4. Waste Description/ Pit _____ Ditch _____
Containment: Tanks _____ Buckets _____
Dumpster _____ Sacks _____
Scattered _____ Other _____
Pond _____ Trash Can _____
Drums ☒ Piles _____
Stored On: Asphalt ☒ Pallets _____
Concrete ☒ Other _____
BareGround _____ Gravel _____

Waste Type: Garbage _____ Liquid _____
Sludge _____ Gas _____
Inert _____
Solid _____
Liquids: 15 gallons of solvent contained in containers and picked up by a hazardous waste hauler.

Describe quantities, labeling, colors, odors, etc.: _____

5. Distance to surface water and sensitive environments or ecosystems:

Not close

6. Proximity to residences, schools, day care facilities, hospitals, nursing homes, etc.:

Not close. Community hospital about 1-2 miles away. There are only 3 houses with in a mile. Only 80 residences in the whole Vernon Area. School is in Maywood about a mile away.

7. Estimated number of people living or working in the area: Dense.

7. Estimated number of people living or working in the area: Dense.

8. Distance to food processing/packaging or agricultural production Not close

9. Additional Information: _____

10. Sketch or attach a diagram of the facility with relevant features and labels.

See attached.

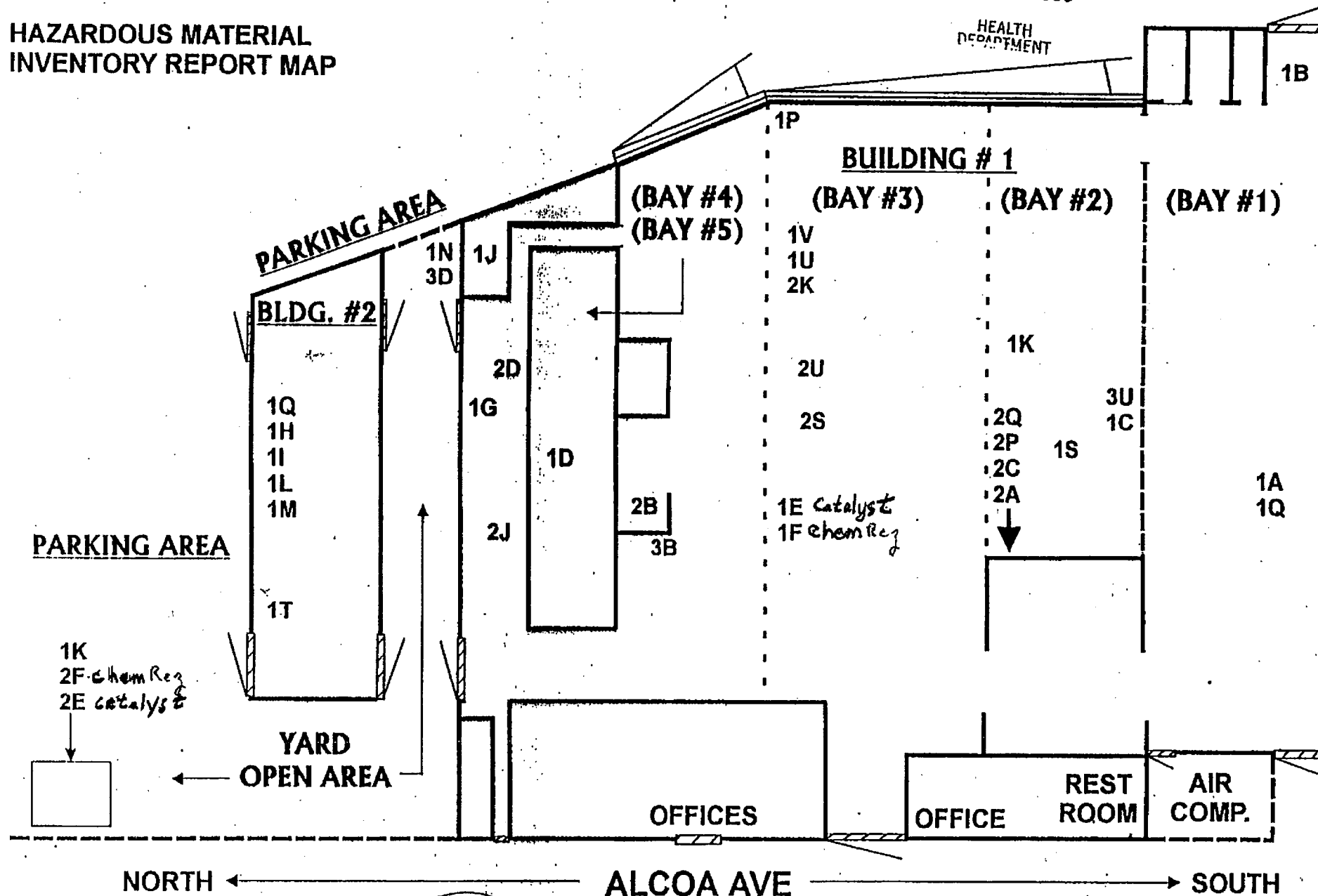
MODERN PATTERN & FDRY. CO., INC.
5610 ALCOA AVE.

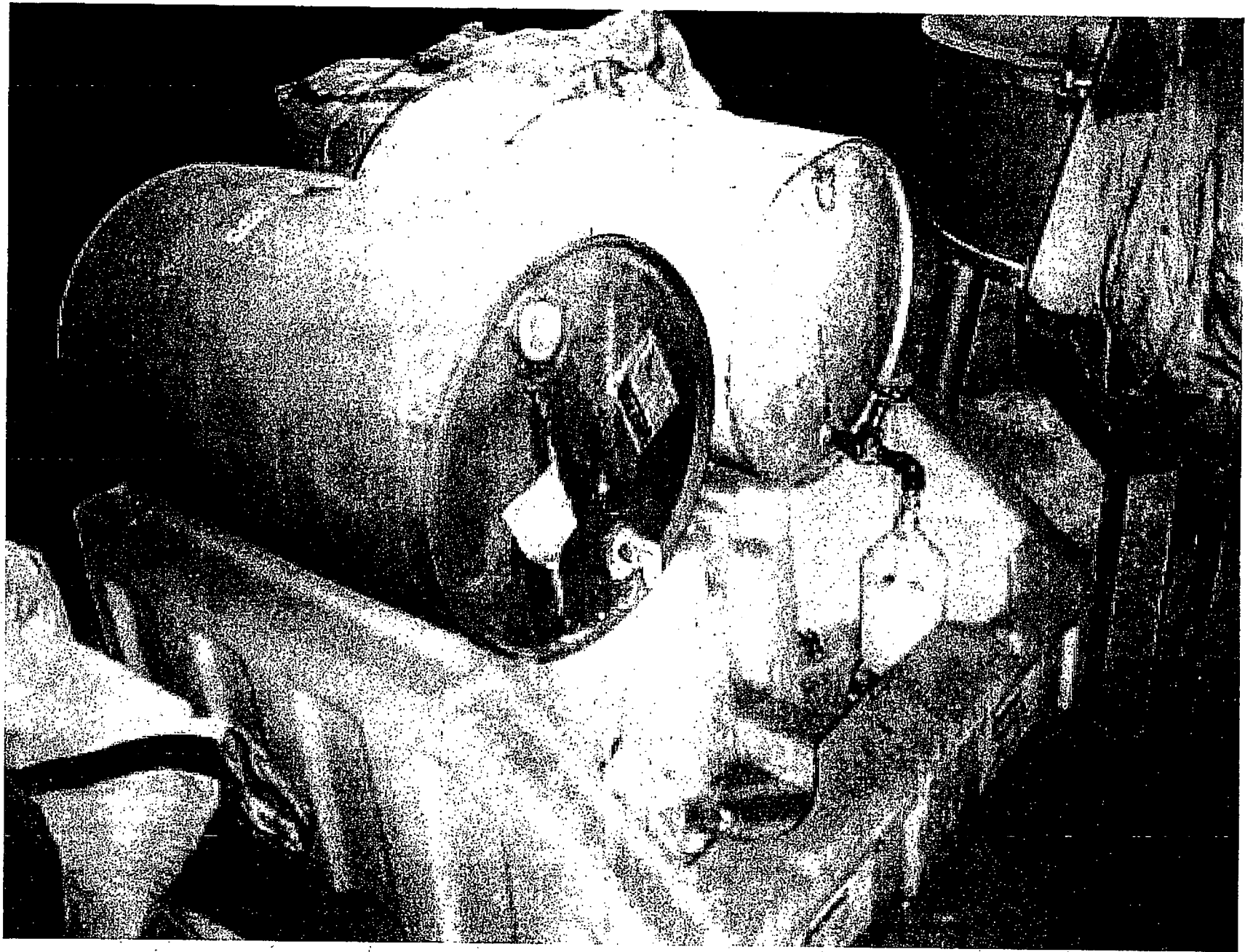
HAZARDOUS MATERIAL
INVENTORY REPORT MAP

RECEIVED

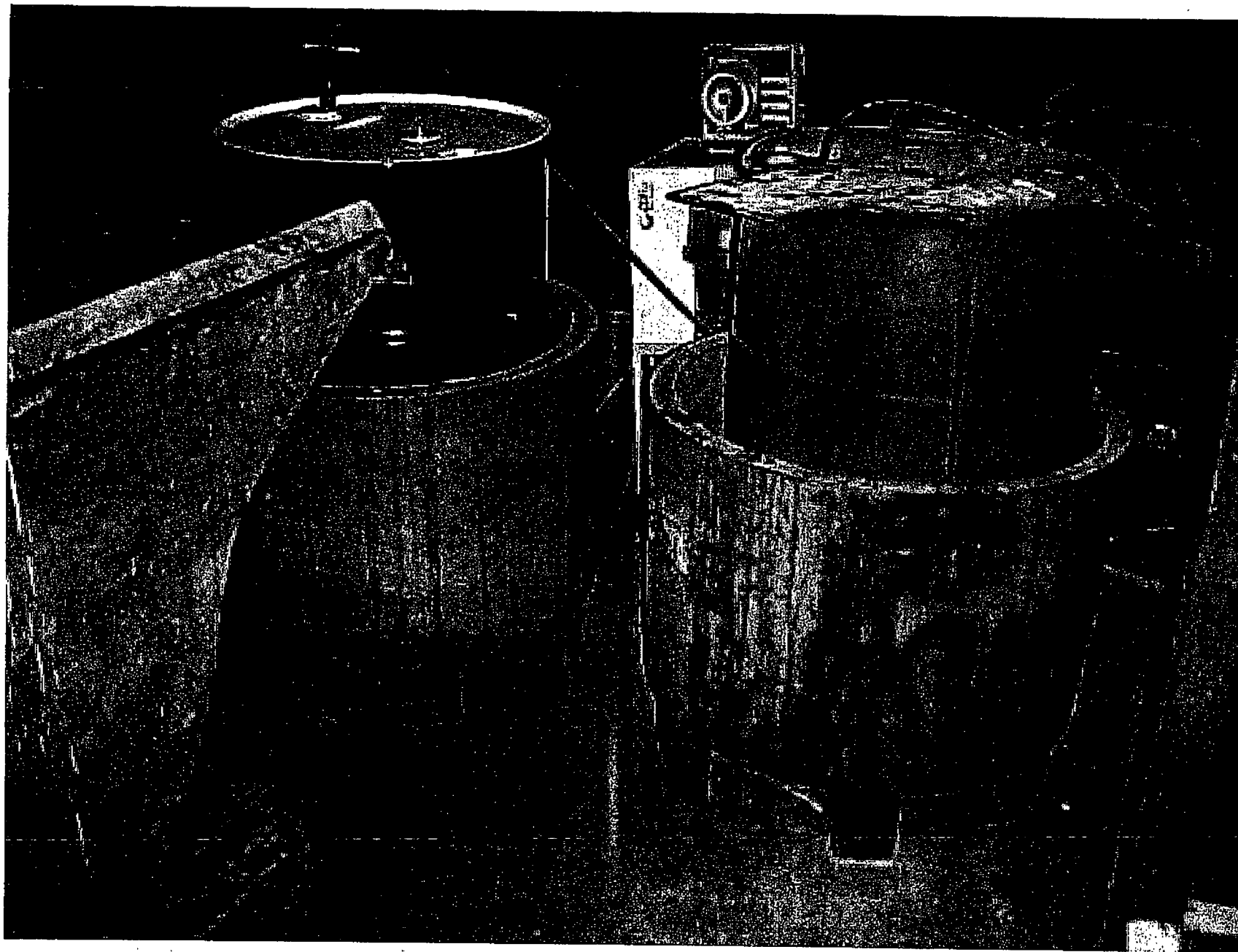
JAN 27 1999

HEALTH
DEPARTMENT





Modern Pattern



Modern Pattern

Modern Pattern & Foundry Co. Inc. (MP)
North Side



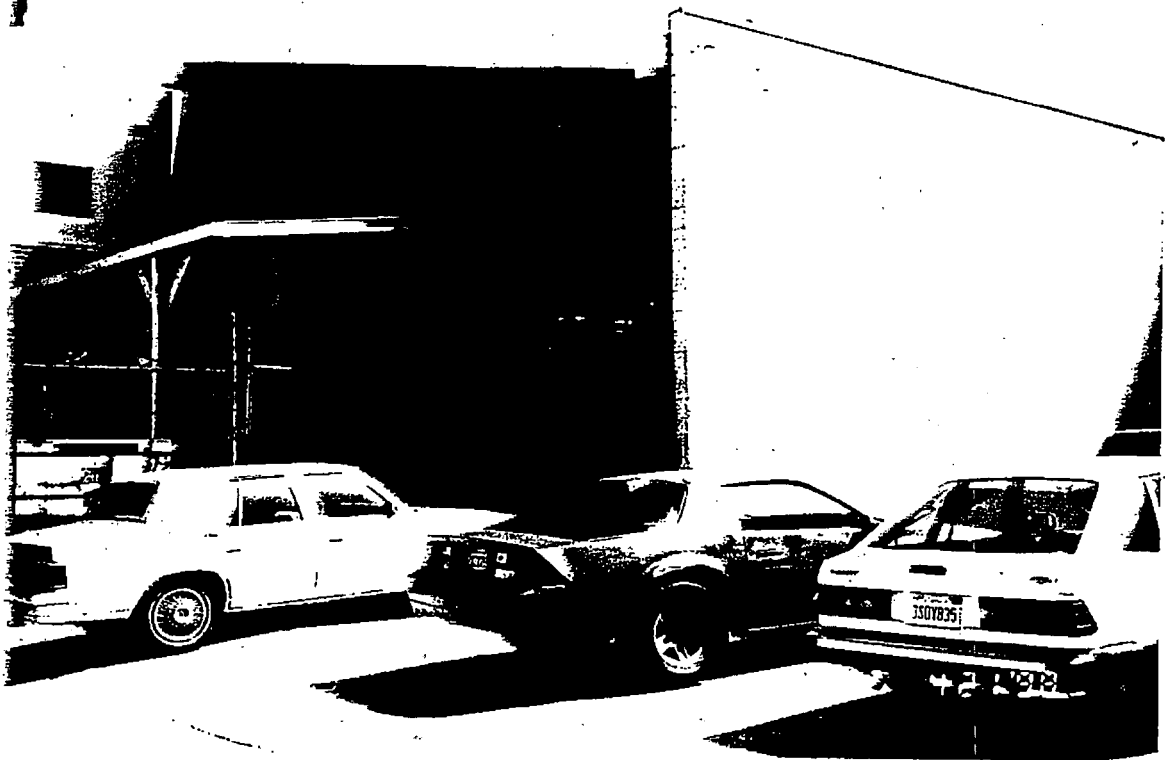
Modern Pattern & Foundry Co. Inc. (MP)



Modern Pattern & Foundry Co. Inc. (MP)
East (back)



Modern Pattern & Foundry Co. Inc. (MP)
South Side (joins another manufacturer)



Modern Pattern & Foundry Co. Inc. (MP)
Front (west)



Modern Pattern & Foundry Co. Inc. (MP)



Attachment C

SITE SCREENING SAMPLING EVENT SUMMARY TABLE

Site Name: MPSite Screener: Teresa Hom

Date	Event	Media	Location	Depth	Method	Quality	Result	Benchmark
none								

Key:

Date - Date sample was collected.**Event** - Who did it and why?**Media** - e.g., groundwater, soil, air, etc.**Sample Location** - Physical location with respect to source (e.g., up-or downgradient).**Sample Depth** - For soil, depth below ground surface sample was collected. For groundwater, depth of well screen.**Method** - Analytical testing method used.**Data Quality** - QA/QC level (high, medium, or low)**Result** - Analytical results (parameter/value, units)**Benchmark** - Risk-based benchmark for parameters in the same units as results. Identify which benchmark used (for soil use PRGs (Industrial/residential) for water use MCLs). Sediments NOAA standards.

SITE NAME: Modern Pattern & Foundry Co, Inc		*EPA ID#	
ALIAS NAME(S): 1.		2.	
SITE ADDRESS:			
CITY:	STATE:	ZIP CODE:	
COUNTY:		SECTION: SFD-	
REGIONAL LATITUDE:		REGIONAL LONGITUDE:	
IDENTIFIED BY:		NPL STATUS:	
REMOVAL INITIATION DATE OR DISCOVERY DATE:			
FED FAC IND <input type="checkbox"/> Federal Facility <input type="checkbox"/> Not a Federal Facility <input type="checkbox"/> Status Undetermined			

*WasteLAN will generate if not provided

SITE TYPES (Check all that apply and designate one primary subcategory)**Manufacturing/Processing/Maintenance**

(Subcategory)

Primary | Secondary

- ☐ Chemicals and allied products
☐ Coal gasification
☐ Coke production
☐ Electric power generation and distribution
☐ Electronic/electrical equipment
☐ Fabrics/textiles
☒ Lumber and wood products/pulp and paper
☒ Lumber and wood products/wood preserving/treatment
☒ Metal fabrication/finishing/coating and allied industries
☐ Oil and gas
☐ Ordnance production
☐ Plastics and rubber products
☐ Primary metals/minerals processing
☐ Radioactive products
☐ Tanneries
☐ Trucks/ships/trains/aircraft and related components

Waste Management

(Subcategory)

Primary | Secondary

- ☐ Radioactive waste treatment, storage, disposal
☐ Municipal solid waste landfill
☐ Mine tailings disposal
☐ Industrial waste landfill
☐ Industrial waste facility (non generator)
☐ Illegal disposal/open dump
☐ Co-disposal landfill (municipal and industrial)

Other

(Subcategory)

Primary | Secondary

- ☒ Agricultural
☐ Contaminated sediment site with no identifiable source
☐ Dust control
☐ Ground water plume site with no identifiable source
☐ Military/other ordinance
☐ Product storage/distribution
☐ Research, development, and testing facility
☐ Retail/commercial
☐ Spill or other one time event
☐ Transportation (e.g. railroad yards, airports, barge docking site)
☐ Treatment works/septic tanks/other sewage treatment

Mining

(Subcategory)

Primary | Secondary

- ☐ Coal
☐ Metals
☐ Non-metals minerals
☐ Oil and gas

Recycling

(Subcategory)

Primary | Secondary

- ☐ Automobiles/tires
☐ Batteries/scrap metals/secondary smelting/precious metal recovery
☒ Chemicals/chemicals waste (e.g. solvent recovery)
☒ Drums/tanks
☒ Waste/used oil

PREPARED BY		DATE:	
IMC:	DATE:	INDUS:	DATE:
QA/QC:		DATE:	

DTSC 2010a

**California Environmental Protection Agency, Department of Toxic Substances
Control, Envirostor files, List of Sites located in the City of Vernon, data
accessed June 11, 2010.**

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

ENVIROSTOR

PROJECT SEARCH RESULTS**CLEANUP STATUS:** All Statuses

SEARCH CRITERIA: VERNON, 90058, FEDERAL SUPERFUND SITES (NPL), STATE RESPONSE SITES, VOLUNTARY CLEANUP SITES, SCHOOL CLEANUP SITES, PERMITTED - OPERATING SITES, POST-CLOSURE PERMITTED SITES, HISTORICAL NON-OPERATING SITES, CORRECTIVE ACTION SITES

19 RECORDS FOUND

[EXPORT TO EXCEL](#)

PAGE 1 OF 1

	<u>SITE / FACILITY NAME</u>	<u>SITE / FACILITY TYPE</u>	<u>CLEANUP STATUS</u>	<u>ADDRESS DESCRIPTION</u>	<u>CITY</u>	<u>ZIP</u>	<u>COUNTY</u>
[REPORT] [MAP]	AAD	STATE RESPONSE	ACTIVE	2306 E. 38TH STREET	VERNON	90058	LOS ANGELES
[REPORT] [MAP]	AAD DISTRIBUTION & DRY CLEANING INC	CORRECTIVE ACTION	ACTIVE	2306 E 38TH ST	VERNON	900580000	LOS ANGELES
[REPORT] [MAP]	AAD DISTRIBUTION & DRY CLEANING INC	HAZ WASTE - UNDERGOING CLOSURE		2306 E 38TH ST	VERNON	900580000	LOS ANGELES
[REPORT] [MAP]	ANR FREIGHT SYSTEMS, INC. TERMINAL	STATE RESPONSE	CERTIFIED - LAND USE RESTRICTIONS	3677 BANDINI BLVD	VERNON	90058	LOS ANGELES
[REPORT] [MAP]	BETHLEHEM STEEL, VERNON LOT 18	STATE RESPONSE	CERTIFIED	3300 EAST SLAUSON AVENUE	VERNON	90058	LOS ANGELES
[REPORT] [MAP]	CALIFORNIA ENVIRONMENTAL SERVICES	CORRECTIVE ACTION	* INACTIVE	3691 BANDINI BLVD	VERNON	900580000	LOS ANGELES
[REPORT] [MAP]	CALIFORNIA ENVIRONMENTAL SERVICES	HAZ WASTE - NON-OPERATING		3691 BANDINI BLVD	VERNON	900580000	LOS ANGELES
[REPORT] [MAP]	CHEMCLEAR OF LOS ANGELES INC	CORRECTIVE ACTION	* INACTIVE	3165 E SLAUSON AVE	VERNON	900580000	LOS ANGELES
[REPORT] [MAP]	CHEMCLEAR OF LOS ANGELES INC	HAZ WASTE - NON-OPERATING		3165 E SLAUSON AVE	VERNON	900580000	LOS ANGELES
[REPORT] [MAP]	DC INDUSTRIAL SERVICES INC	HAZ WASTE - NON-OPERATING		4626 E 48TH ST	VERNON	900580000	LOS ANGELES
[REPORT] [MAP]	DETREX CORP	CORRECTIVE ACTION	CERTIFIED	3027 FRUITLAND AVE	VERNON	900580000	LOS ANGELES
[REPORT] [MAP]	EXIDE TECHNOLOGIES	CORRECTIVE ACTION	ACTIVE	2700 S. INDIANA ST.	VERNON	90058	LOS ANGELES
[REPORT] [MAP]	EXIDE TECHNOLOGIES	HAZ WASTE - OPERATING PERMIT		2700 S INDIANA ST	VERNON	90058	LOS ANGELES
[REPORT]	NI INDUSTRIES	CORRECTIVE ACTION	BACKLOG	5215 SOUTH BOYLE AVENUE	VERNON	90058	LOS ANGELES
[REPORT] [MAP]	OLIN HUNT SPECIALTY PRODUCTS INC	CORRECTIVE ACTION	ACTIVE	4265-A CHARTER STREET	VERNON	900580000	LOS ANGELES
[REPORT]	PECHINEY	STATE RESPONSE	ACTIVE	3200 FRUITLAND AVENUE	VERNON	90058	LOS ANGELES
[REPORT] [MAP]	SIEMENS WATER TECHNOLOGIES CORP	CORRECTIVE ACTION	ACTIVE	3200 FRUITLAND AVENUE	VERNON	900580000	LOS ANGELES
[REPORT] [MAP]	VERNON INDUSTRY PLAZA - LOT 7	STATE RESPONSE	CERTIFIED	5375 S. BOYLE AVE.	VERNON	90058	LOS ANGELES
[REPORT] [MAP]	VERNON INDUSTRY PLAZA LOTS 1-6	STATE RESPONSE	CERTIFIED - LAND USE RESTRICTIONS	3300 E SLAUSON AVE	VERNON	90058	LOS ANGELES

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0.5625 seconds

DTSC 2010b

**California Environmental Protection Agency, Department of Toxic Substances
Control, Letter to Fitzgerald, Tara, Weston Solutions, Inc., Re: Various Sites,
PR # 30525107, May 28, 2010**



Linda S. Adams
Secretary for
Environmental Protection



Department of Toxic Substances Control

Maziar Movassaghi
Acting Director
9211 Oakdale Avenue
Chatsworth, California 91311



Arnold Schwarzenegger
Governor

May 28, 2010

Ms. Tara Fitzgerald
Weston Solutions
428 Thirteenth Street, 6th Floor, Suite B
Oakland, California 94612

VARIOUS SITES
PR #30525107

Dear Ms. Fitzgerald:

On May 20, 2010, the Department of Toxic Substances Control received your facsimile dated May 20, 2010 requesting records under the Public Records Act. After a thorough review of our files, we have found that we have records pertaining to some of the sites/facilities referenced in your request but not all of them. Please see below.

We have records for:

- Globe Union Incorporated, 5015 District Blvd., Vernon, CA 90058
- Stauffer Chem Co., 3250-3294 East. 25th Street, Vernon, CA 90058
- Stauffer Chem Co., 3200 26th Street, Vernon, CA 90058
- NI Industries a.k.a. Masco Tech. Norris Industries, 4900, 5215 and 5375 South Boyle Avenue, Vernon, CA 90058

We do not have records for:

- Modern Pattern & Foundry Co. Inc., 5610 Alcoa Avenue, Vernon, CA 90058

After a thorough review of our files we have found that no such records exist at this office pertaining to the site/facility referenced above. However, your request has been forwarded to our Cypress office as they may have records for this facility.

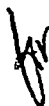
Those records we do have will be ready for your review June 10, 2010. Please contact me at (818)717-6521 to arrange for an appointment to review the records.

Ms. Tara Fitzgerald
Page 2
May 28, 2010

We would like to inform you about EnviroStor, a database that provides information and documents on over 5,000 DTSC cleanup sites. EnviroStor can be accessed at: <http://www.envirostor.dtsc.ca.gov/public>. Also, a computer is available in the Central Files of each DTSC Regional Office for use by community members to view EnviroStor.

Sincerely,



 Vivien Tutaan/cs
Regional Records Coordinator

DWR 1968

**State of California, Department of Water Resources (DWR), Bulletin No. 104,
Planned Utilization of Groundwater Basins: Coastal Plain of Los Angeles
County, September 1968**

STATE OF CALIFORNIA
The Resources Agency
Department of Water Resources
BULLETIN No. 104

PLANNED UTILIZATION OF
GROUND WATER BASINS:
COASTAL PLAIN OF
LOS ANGELES COUNTY

SEPTEMBER 1968

NORMAN B. LIVERMORE, JR.
Administrator
The Resources Agency

RONALD REAGAN
Governor
State of California

WILLIAM R. GIANELLI
Director
Department of Water Resources

LIBRARY
UNIVERSITY OF CALIFORNIA
DAVIS

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FOREWORD

At present, more than half the water supply of Southern California's south coastal area comes from its ground water basins. In general, extractions from this source exceed replenishments, resulting in a decline of ground water level elevations. The Central and West Basin Water Replenishment District and other water entities have contributed significantly in managing the basins effectively.

However, there is a need for information related to the optimum conjunctive use of ground water resources with other local and imported water supplies.

The Department of Water Resources, recognizing this need, has undertaken a comprehensive study of the planned use of Southern California's major ground water basins. The Coastal Plain of Los Angeles County was selected as the first area to be investigated.

Statutory authority for the Department to conduct investigations of surface and subsurface water conditions is contained in Section 226 of the California Water Code. Statutory authority for investigation of ground water conditions is conferred under the Porter-Dolwig Ground Water Basin Protection Law, Water Code Section 12920 and those that follow, and Water Code Section 231.

In this investigation, comprehensive studies were made of the geology, hydrology, and operations-economics of the ground water basins in the Coastal Plain of Los Angeles County. Detailed information issuing from these studies was presented earlier in Appendixes A, B, and C to Bulletin No. 104. This bulletin is intended to serve as a brief, but comprehensive summary of the findings of these studies.

William R. Gianelli
William R. Gianelli, Director
Department of Water Resources
The Resources Agency
State of California
August 26, 1968

ACKNOWLEDGMENTS

The Department of Water Resources acknowledges the information and advice provided by various state and local agencies during the preparation of this report and its appendices.

Especially helpful was the assistance of the following:

Federal Agencies

U. S. Geological Survey, Long Beach

State Agencies

Department of Conservation, Division of Mines
and Geology and Division of Oil and Gas
Department of Public Works, Division of
Highways
Public Utilities Commission
Water Resources Control Board

Los Angeles County Agencies

Assessor
Regional Planning Commission
Sanitation Districts of Los Angeles County
Waterworks Districts 10, 13, and 16
Museum of Natural History.

Special Districts

Central Basin Municipal Water District
Central and West Basin Water Replenishment
District
Downey County Water District
Los Angeles County Flood Control District
The Metropolitan Water District of
Southern California
Orange County Water District
Orchard Dale County Water District
South Montebello Irrigation District

City Water Departments

Bellflower	Los Angeles
Beverly Hills	Lynwood
Compton	Manhattan Beach
El Segundo	Santa Monica
Hawthorne	Signal Hill
Huntington Park	South Gate
Inglewood	Torrance
Lakewood	Vernon
Long Beach	Whittier

Private Water Companies

California Water Service Company
Conservative Water Company
Dominguez Water Corporation
Laguna-Maywood Mutual Water Company
La Habra Heights Mutual Water Company No. 3
La Mirada Water Company
Maywood Mutual Water Company No. 3
Montebello Land and Water Company
Pacific Water Company
Park Water Company
Peerless Land and Water Company
San Gabriel Valley Water Company
Somerset Mutual Water Company
Southern California Water Company
Southwest Water Company
Suburban Water Systems
Tract 180 Mutual Water Company
Walnut Park Mutual Water Company No. 3

Other Companies

Continental Can Company, Inc.
McDonnell-Douglas Corporation
Electronic Associates
Fibreboard Paper Products Corporation
The Flintkote Company
International Business Machines Corporation
Mobil Oil Company
Oil Operators, Inc.
Atlantic Richfield Corporation
Shell Oil Company
Signal Oil and Gas Company
Standard Oil Company of California
Texaco, Inc.
Union Oil Company of California
Western Gulf Oil Company

Universities and Colleges

The Associated Colleges of Claremont
The California Institute of Technology
California State College at Long Beach
The University of California at Los Angeles
The University of California at Riverside
The University of Southern California

Other

Southwest Museum
San Gabriel Valley Protective Association

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

RONALD REAGAN, Governor
NORMAN B. LIVERNIE, JR., Administrator, The Resources Agency
WILLIAM R. OLANKELL, Director, Department of Water Resources
JOHN R. TINKER, Deputy Director, Department of Water Resources

SOUTHERN DISTRICT

James J. Doody, District Engineer
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Ernest M. Weber, Chief, Planning Investigations Section

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WILLIAM M. CARAN
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Engineer

Abstract

The water demand of the Coastal Plain of Los Angeles County is approximately 860,000 acre-feet a year at present and is expected to grow to 1,200,000 acre-feet by 1990. Water supply from various sources which include the Los Angeles Aqueduct, the Colorado River Aqueduct and soon the State Water Project will be adequate at least until 1990. One of these sources of supply is the ground water basin in the Coastal Plain. Approximately 35 million acre-feet of fresh water is believed to be in storage at present. In the report, four alternative plans of conjunctive use of ground and surface water resources to meet future water requirements in the service area were analyzed. From this analysis understanding evolved regarding the economic impact of pumping schedule and pattern, spreading schedule of imported water, and methods of preventing sea-water intrusion. It was found that the most significant economic factors are the price of imported water and the proportionate use of imported water and ground water in storage.

CONCEPT UNDERLYING WATER PLANNING

Water is a commodity that meets basic human needs; without it, life cannot continue. This fact has made us somewhat emotional about water and we have come to treat water differently from other commodities.

However, water is a most abundant commodity. It cannot be destroyed; it is used and then it returns to be used again. Water is around us in many forms. By means of treatment and timely delivery, which may be either expensive or inexpensive, this water can be put to all uses to meet our needs any place on earth. It is, then, not difficult to conclude that all the water needs of any area, now and in the future, can be met with proper planning.

ELEMENTS OF PLANNING. An analogy between financial planning and water resources planning will help to identify the elements to be considered.

Figure 1 represents the components that are considered in family financial planning. To ensure

sound financial planning, a complete inventory must be taken of supply of money in terms of annual income, assets, and borrowing capabilities, as well as an inventory of financial obligations. For financially advantageous decision-making, various alternative ways of meeting financial obligations and of increasing income must be considered very carefully. Only after a full evaluation of the advantages and limitations of various alternatives should a plan be selected and implemented.

Figure 2 represents the analogous components of water resources planning. This process involves:

1. Inventory of needs, supplies and associated facilities.
2. Formulation of alternative schemes of meeting needs.
3. Evaluation of advantages and limitations of alternatives.
4. Selection of a plan.
5. Implementation of the selected plan.

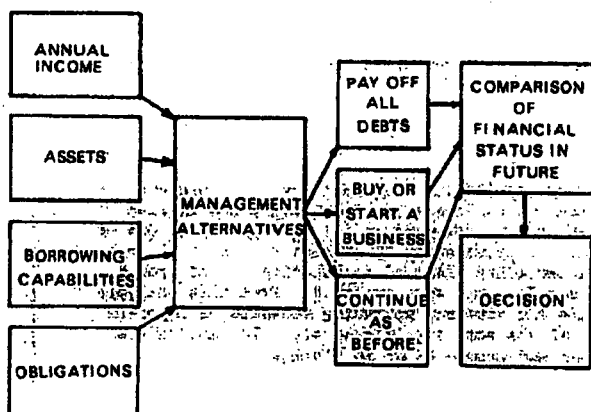


Fig. 1

FINANCIAL MANAGEMENT PLANNING

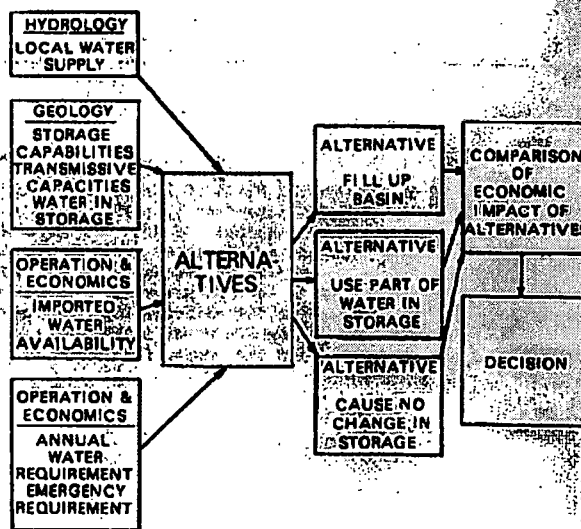


Fig. 2

WATER MANAGEMENT PLANNING

I INTRODUCTION

The management of its water resources has been of vital concern to Southern California from the time it was first settled. This has been especially true in the Coastal Plain of Los Angeles County. The increasing demand for water in this area and the economic realities of obtaining that water have made it clear that local water managers must have available to them information related to comprehensive alternative water supply plans in order to make an informed selection of the most suitable plan. A necessary prerequisite to the formulation of such plans is the collection and analysis of data pertinent to the problems of water need and supply, especially concerning the ground water resources.

A study has been completed to furnish information on alternative plans. Its findings, in detail and in depth, were published previously in Appendixes A, B, and C, to Bulletin No. 104, covering the areas of geology, hydrology, and operations and economics. These findings are summarized in this bulletin.

OBJECTIVE OF THE INVESTIGATION

The objective of the investigation is to provide information on a wide range of alternative plans to be used as a guide by local agencies for selecting a plan for managing the ground water supplies in the Coastal Plain in coordination with surface water supplies and facilities.

AREA OF INVESTIGATION

The region selected for this study lies in the heart of the Los Angeles urban complex. It covers approximately 600 square miles and contains all or part of 42 incorporated cities, including a large part of the metropolitan section of the City of Los Angeles.

Physically, the Coastal Plain of Los Angeles County is an almost featureless, semiarid flatland that slopes gently toward the sea (Figure 3). On the north, it is bounded by the Santa Monica Mountains, extending inland from Malibu. On the northeast, the plain is hemmed in by another mountainous ridge, though not as steep, formed by the Elysian, Repetto, Merced, and Puente Hills. Through them slice the channels of the Los Angeles and the San Gabriel Rivers and the Rio Hondo on their journey to the ocean. To the south, the massive hump of the Palos Verdes Hills forms a solid barrier between Santa Monica Bay and San Pedro Bay. The Coastal Plain is bounded on the west by the Pacific, while its eastern boundary is not a physical, but rather a political, one--the line that separates Los Angeles County from Orange County.

Annual precipitation for the study area averages about 15 inches and varies widely from year to year as shown on Figure 4.

At present, more than 4,000,000 persons live within the Los Angeles County

Coastal Plain and current population projections indicate that by 1990 there may be considerably more than 5,000,000--an increase of more than 25 percent. Today, the area needs and uses some 860,000 acre-feet of water a year.

The use of water in the Coastal Plain has shifted from agricultural to urban-suburban. In 1880, some 27,000 acres of the Coastal Plain were being irrigated for farming. About 9,000 acres were either urban or suburban, most of it confined to Los Angeles, Santa Monica, and Wilmington.

Fifty years later, this condition was completely reversed. By 1930, the agricultural area had increased to 80,000 acres, while the urban-suburban area had grown to 160,000 acres. During the next three decades, urban expansion con-

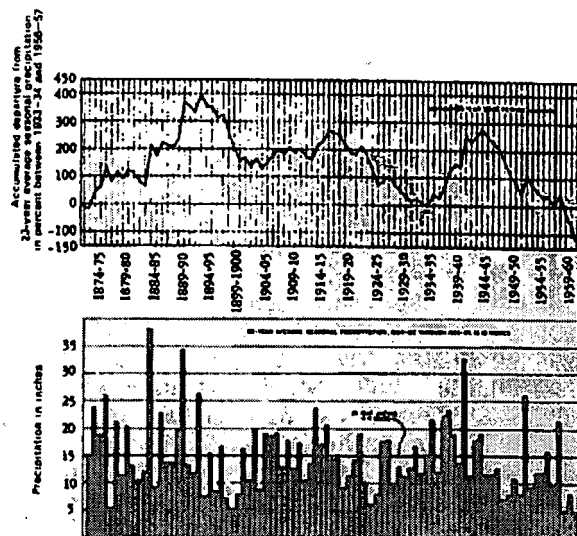


Figure 4 - SEASONAL PRECIPITATION

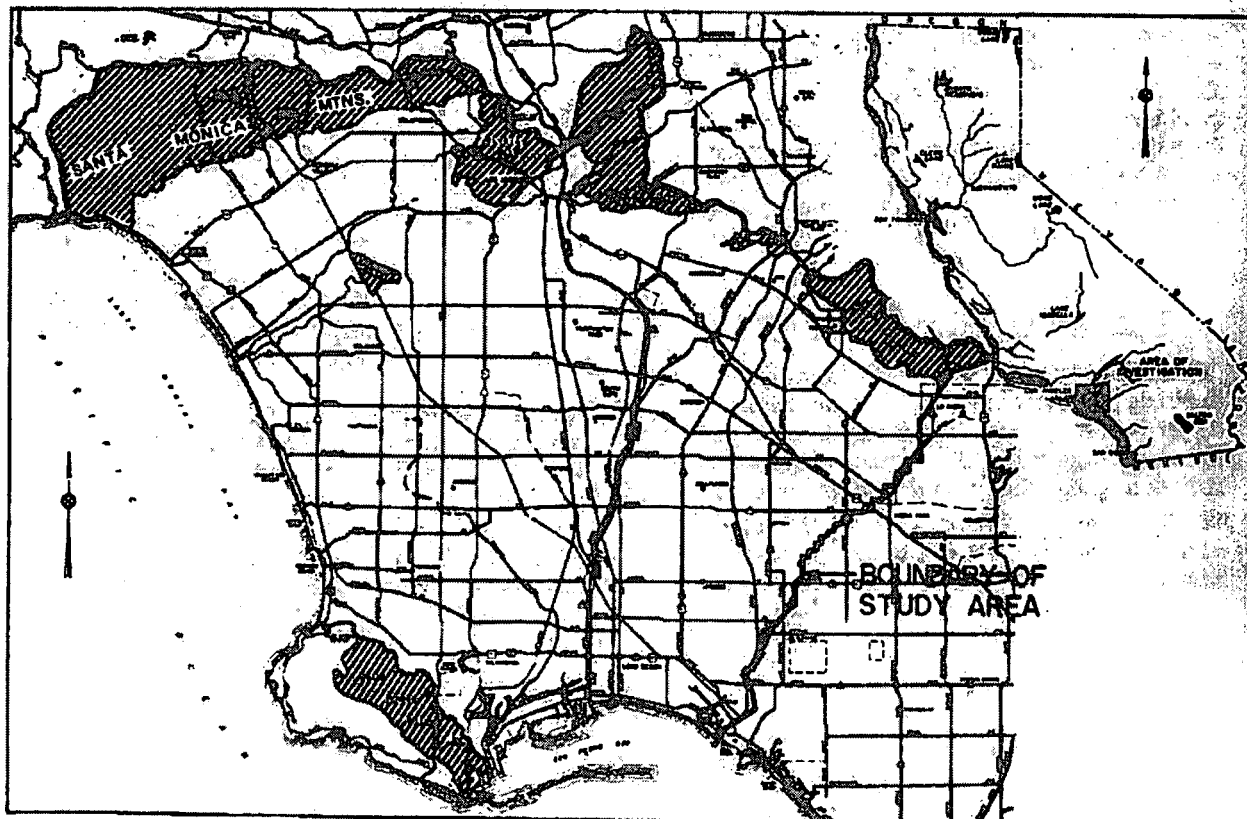


Figure 3 - LOCATION MAP OF THE COASTAL PLAIN OF LOS ANGELES COUNTY

tinued unabated. By 1955, rural acreage in the Coastal Plain had shrunk to its 1880 level, whereas urban-suburban acreage had increased to 270,000 acres and, by 1990, will increase to more than 300,000 acres, or more than 80 percent of the total land area of the Coastal Plain.

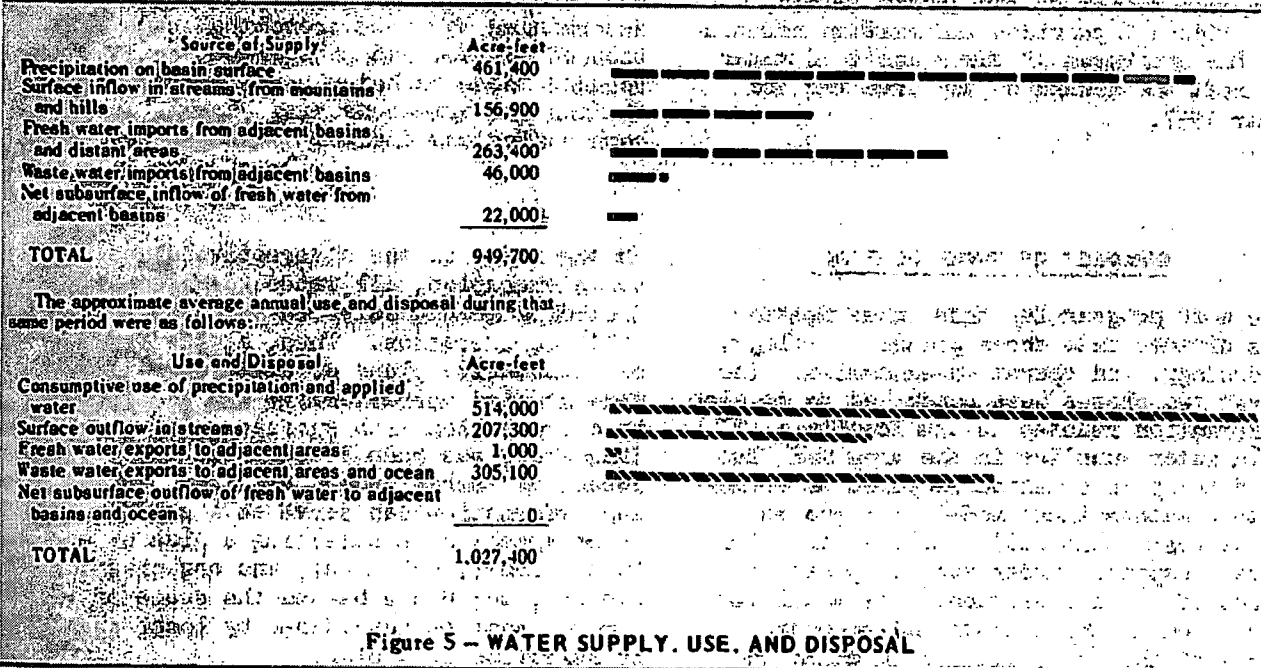
This tremendous growth of the Coastal Plain's urban-suburban complex increased demand for water enormously. In 1868, when the first artesian well was drilled near Downey, flowing wells could have been found in half the area of the Coastal Plain. By 1904, however, their number had diminished by about 50 percent. The dwindling number of flowing wells naturally caused concern about future supplies of ground water. In 1903, the City of Los Angeles decided to import water and work was begun on the Los Angeles Aqueduct, designed to bring water to Los Angeles from the Owens Valley, more than 200 miles distant. On November 5, 1913, the first water flowed into the San Fernando Reservoir.

As time went on, and the Coastal Plain steadily developed, this source began to

be considered insufficient. By 1920, ground water levels in a portion of the study area had dropped below sea level and, by 1932, sea-water intrusion was occurring. In 1941, The Metropolitan Water District of Southern California (MWD) completed the Colorado River Aqueduct, which brought water from that river to supplement the Coastal Plain's other sources.

Even after the introduction of Colorado River water, however, the Coastal Plain's industrial-domestic complex and agriculture continued to depend largely on ground water. Consequently, the pumping amounts increased greatly, causing ground water levels in the coastal basins to drop further.

Nevertheless, many users continued to rely on ground water because it is cheaper to pump water out of the ground than to purchase imported water. But the continued decline in water levels due to dry seasons and mounting demand aroused a good deal of concern. Users were particularly apprehensive lest they suffer economic loss, as well as loss of



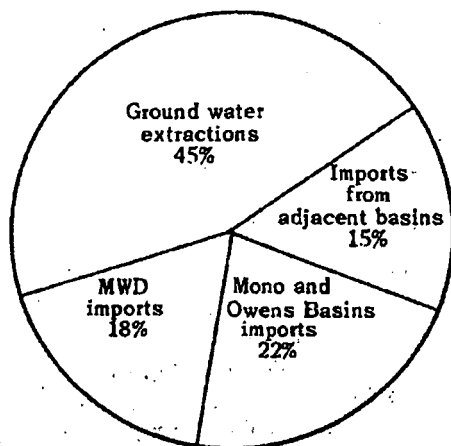


Figure 6 - COMPARATIVE MAGNITUDE OF SUPPLY IN 1957

their vested rights to the ground water. This has led to litigation and, in some areas, adjudication of rights for the use of ground water, resulting in the curtailment of its use.

Figure 5 summarizes the data on the average annual supply and disposal during the base period in the Coastal Plain, and Figure 6 provides information related to the breakdown of the sources of water to meet the demand of the area for the year 1957.

CONDUCT OF INVESTIGATION

The work program for this investigation was divided into three phases: geology, hydrology, and operation-economics. The first two phases were conducted to develop information related to the locally available water supplies in the area and also to develop information required to formulate a mathematical model of a ground water basin that will simulate its water level responses under various postulated plans of basin operation. The model was then used in the operational-economic phase of the investigation in which the

cost of water service under those alternatives was determined.

This investigation dealt with the future water service in the study area. Therefore, a number of factors affecting the supply of water and the cost of water service could not be predicted conclusively. It was assumed for some factors that the condition which existed in 1963, the beginning period of the investigation, would remain unchanged. For others, it was necessary to assume conditions that might develop in the future. During the investigation, some of these assumed conditions changed and they are expected to continue to change. To determine the effects of changing conditions on the economic findings of the study, an evaluation was made of the impact of these changes.

Techniques employed in this study are: (1) a mathematical model of ground water basins; (2) a method for determining deep percolation into ground water basins; (3) a mathematical model of major distribution systems; and (4) a procedure for determining the most economical combination of surface and subsurface facilities. Because these techniques would have required tedious and time-consuming computations, both analog and digital computers were used.

In the study of the alternative plans for basin operation, all water supplies--including ground water in storage--received full consideration. Thus, a wide range of alternative plans of basin operation were studied operationally and economically in coordination with surface water supplies. This study was made to evaluate the economic impact of operational variables. The resulting information can serve as a guide to local water agencies in selecting a plan of operation. Legal, political, and organizational factors, which are beyond the scope of this report, must be considered by local agencies in selection of a plan.

II INVENTORY OF WATER DEMAND AND SUPPLY

To develop effective plans for managing an area's water resources, it is essential to know the magnitude of not only water demand, but also of all available water supplies.

WATER DEMAND

The total demand for delivered water in the Coastal Plain comprises demands for applied water, injection water, and spreading water. The applied water is mainly for municipal and industrial consumption. The injection water is for creating fresh water barriers to protect the ground water basins against sea-water intrusion. This water incidentally replenishes the basins. The spreading water is for replenishment of the ground water basins.

The water demands of the Coastal Plain have increased rapidly, from 450,000 acre-feet in 1940 to 860,000 acre-feet at present. It is anticipated that demand will continue to grow rapidly until 1980, but only gradually after that time. The demand for 1980 was projected to be approximately 1,160,000 acre-feet, and for 1990, 1,220,000 acre-feet.

To ensure that adequate facilities are provided to meet fluctuating applied water demands, information on monthly and hourly demand on a day of maximum water demand must be considered. For the Coastal Plain, the peak monthly demand is about 130 percent of the average monthly demand. The average demand on a day of maximum use is about 180 percent of the average daily demand.

The peak hourly water demand is about 200 percent of the average hourly demand on a day of maximum use, or 360 percent of the average hourly demand (Figure 7).

The demand for injection varies with ground water level elevations along the coast. The amounts required for existing and proposed barrier projects can be estimated by utilizing the information on ground water level responses developed by a mathematical model of the basins.

Depending on the plan of basin management, the demand varies for imported water to be spread in the Montebello Forebay area where it can be stored for transmission through the ground water basin to the point of use.

WATER SUPPLY

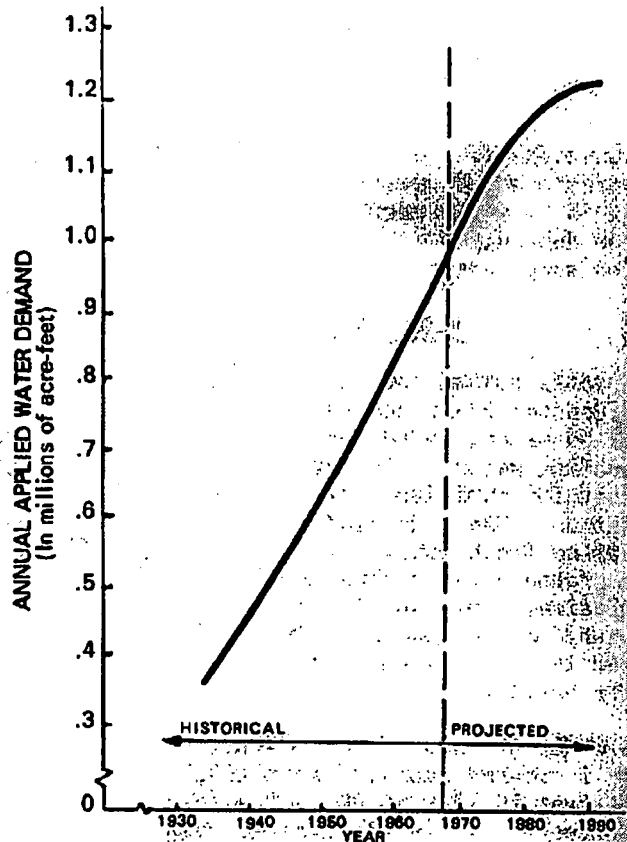
Supplies to meet the various water demands in the Coastal Plain consist of imported water and locally pumped ground water. In addition to these sources, reclaimed water, which is anticipated to increase in amount, furnishes a small supply which is spread.

The local water supply to the study area has been stabilized by the court-approved agreement between the parties in the upper and lower basins of the San Gabriel River Drainage area which provides an average of 98,415 acre-feet per year from the upper basin to the area below the Whittier Narrows.

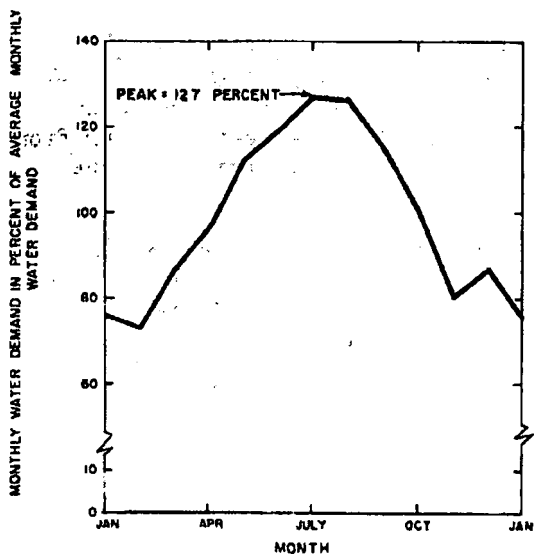
To supplement Southern California water supplies, construction of a dual-purpose nuclear power generation and sea-water

HISTORICAL AND PROJECTED WATER DEMAND

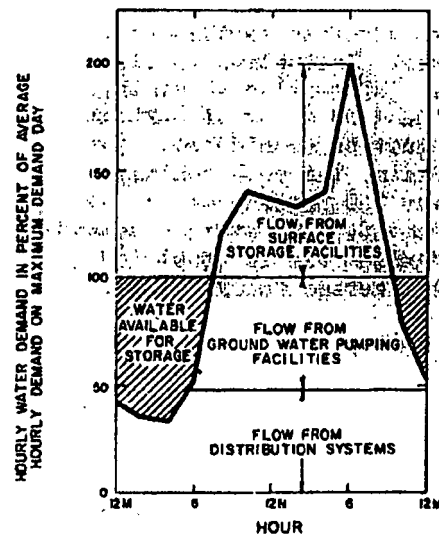
YEAR	WATER DEMAND (ACRE-FOOT)
1935	370,000
1940	450,000
1950	610,000
1960	800,000
1970	1,001,000
1980	1,163,000
1990	1,218,000



PAST AND PROJECTED APPLIED WATER DEMANDS FOR THE
COASTAL PLAIN OF LOS ANGELES COUNTY



AVERAGE MONTHLY WATER DEMAND



TYPICAL HOURLY WATER DEMAND
ON A MAXIMUM WATER DEMAND
DAY

Figure 7 - WATER DEMAND

conversion plant on Bolsa Island in Orange County has been considered for many years by The Metropolitan Water District of Southern California (MWD). However, present indication is that the plant will not be built.

Imported Water Supply

Present supplies of imported water include Colorado River water, Owens River-Mono Basin water, ground water from the San Fernando Valley, and ground water and reclaimed waste water from the San Gabriel Valley. In the future, these supplies will be augmented by water from the State Water Project.

Colorado River water, which is distributed by MWD, is a major source of imported water to the Coastal Plain. Softened, filtered, and untreated waters are now available for use from MWD. Softened and filtered waters are used for applied water, filtered water for applied water and injection, and untreated waters for spreading.

Before 1972, the delivery of imported water to the Coastal Plain by MWD would be limited either by the capacity of the delivery system to provide water at specified pressures or by the available supply from the Colorado River. In the event of a water shortage, which cannot be anticipated before 1990, this water would be allocated among member agencies of MWD by each agency's preferential rights and would be limited to the combined supply from the Colorado River and the State Water Project after 1972. The preferential rights of the member agencies are based on all payments made by each agency to MWD, exclusive of payments for purchased water.

The State Water Project will begin delivering water to Southern California in 1971. At that time, MWD will begin importing a portion of this supply to the Coastal Plain through a planned increase in the delivery capacity of its distribution system.

Water imported by MWD is a supplemental source of supply to the Los Angeles

Department of Water and Power, which utilizes two primary sources to supply the City's needs in the Coastal Plain: imported water from the Owens River-Mono Basin and ground water from San Fernando Valley.

In view of the anticipated rate of development in the San Fernando Valley, more water imported from Owens River-Mono Basin will be used in the valley by the City of Los Angeles. However, exports of ground water from the valley to the Coastal Plain will continue. Because additional water from the Owens River-Mono Basin will be required, the City of Los Angeles, in 1964, initiated construction of the Second Los Angeles Aqueduct. The estimated importation schedules of ground water from San Fernando Valley and the Owens River-Mono Basin by the Los Angeles Department of Water and Power to the Coastal Plain are:

<u>Year</u>	<u>Quantity in Acre-Feet</u>
1969	309,000
1970	300,000
1975	260,000
1980	221,000
1985	181,000
1990	141,000

The Los Angeles Department of Water and Power has reported that the foregoing values should be reduced by 30,000 acre-feet per year if the 1968 trial court decision is upheld in the case of City of Los Angeles vs. City of San Fernando, et al.

In addition to the water imported into the Coastal Plain by MWD and the Los Angeles Department of Water and Power, approximately 23,000 acre-feet annually has been pumped from the ground water basin or diverted from streams in the San Gabriel Valley and delivered to the Coastal Plain during the hydrologic study period of this investigation. It was assumed for the purpose of this investigation that approximately the same amount would be delivered from the San Gabriel Valley to the Coastal Plain in the future.

Approximately 16,000 acre-feet of re-claimed waste water is imported from the San Gabriel Valley and is spread in the Montebello Forebay below Whittier Narrows.

Los Angeles County Sanitation Districts now plan to double the capacity of this plant to increase the amount of water available for spreading.

Local Water Supply

Among the local supplies--surface water, ground water, and reclaimed water--ground water is the most important resource. Because of the intermittent nature of runoff in streams, the direct use of surface water is negligible. The Los Angeles County Sanitation Districts are contemplating the construction of reclamation plants in the Coastal Plain. These plants may in time play a vital role in meeting the Coastal Plain's spreading and injection water demands.

DETAILED DISCUSSION OF GROUND WATER SUPPLY

To estimate the supply potential of ground water to meet the area's needs, it is essential to determine the amount of fresh water currently in storage and the long-term average replenishment by deep percolation and subsurface inflow in the ground water basins.

Currently Available Water in Storage

The Coastal Plain of Los Angeles County consists mainly of unconsolidated sediments or alluvium underlain by and bounded on the north and east by bedrock. On the west and south, it is bounded by the Pacific Ocean. Ground water is stored within the interstices of these unconsolidated sediments and, to a limited amount, in fractures of nonwater-bearing rocks that bound the area.

The Coastal Plain has been divided into four ground water basins by geological and surface features, as shown on Figure 8. Two of these four ground water basins are southwest and two are northeast of

the series of low hills formed by the uplifts along the Newport-Inglewood fault.

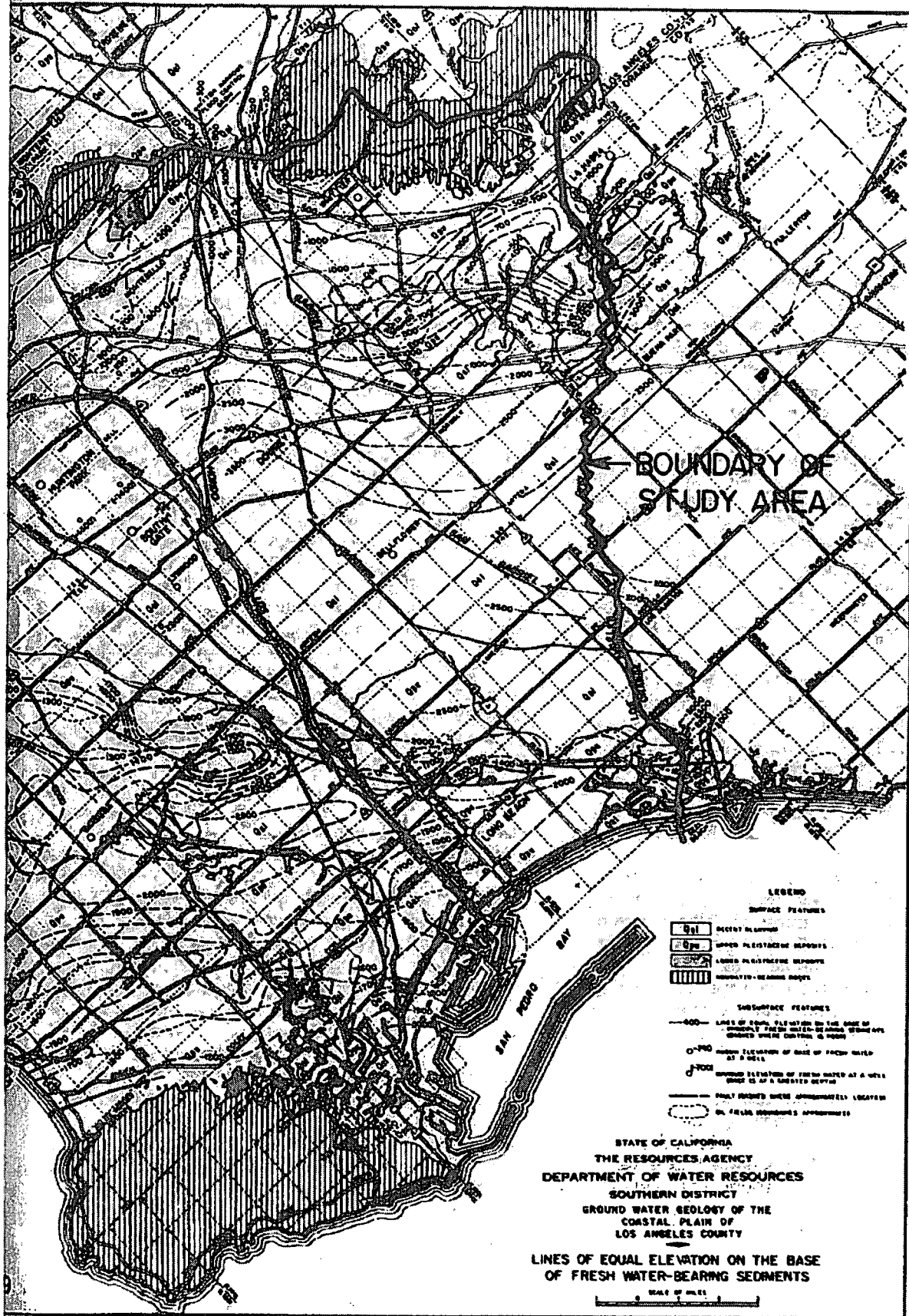
The Santa Monica Basin extends south from the Santa Monica Mountains to the Ballona escarpment between the fault and the Pacific Ocean. The West Coast Basin extends southeast to the Palos Verdes Hills, San Pedro Bay, and Orange County. The Hollywood Basin extends eastward to the Elysian Hills and south to the La Brea high, formed by the Newport-Inglewood fault. The Central Basin borders the Hollywood Basin on the south and occupies the rest of the Coastal Plain of Los Angeles County east of the Newport-Inglewood fault.

Both granitic and consolidated sedimentary rocks are considered nonwater bearing because their specific yield is negligible. They form a base of the Coastal Plain's ground water basins when impermeable sediments, such as clay and silty clay, are not found above them. Where thick layers of these impermeable sediments are found above the bedrock without significant quantities of water-bearing materials between them and the bedrock, their surface is considered a base of the subsurface reservoir.

A contour map (Figure 9) was drawn connecting the points of equal elevation of the base of the water-bearing material. The elevation of the base ranges from sea level at the Santa Monica Hills and Palos Verdes Hills to more than 3,000 feet below sea level in the south-central part of the Coastal Plain.

Not all the water in the Coastal Plain aquifers can be extracted. Even when an aquifer is supposedly pumped "dry," a small amount of water remains as a thin film coating the particles of sand and gravel. The percentage of water that is still retained by the sediment is technically termed "specific retention". On the other hand, the ratio of the volume of water in saturated soil that can be removed by gravity drainage to the total volume of saturated sedi-





tion and resulting runoff, applied water, and imported and reclaimed water in streambeds and spreading grounds.

Deep percolation due to precipitation occurs both inside and outside of streambeds. Within the streambed and spreading grounds, under mean precipitation conditions, about 48,000 acre-feet is estimated to percolate annually. Of this amount, 10,000 acre-feet is derived from storm runoff, originating within the study area and as flow from the San Gabriel Valley, and 38,000 acre-feet from water seeping into the streambed in the San Gabriel Valley because of high water tables. The 48,000 acre-feet of percolation occurs in a portion of the San Gabriel River streambed located in the forebay portion of the Central Basin, in the existing spreading grounds adjacent to the Rio Hondo and the San Gabriel River in the Montebello Forebay and in the existing spreading grounds adjacent to the Los Angeles River in the Dominguez Gap. Outside the streambed, the deep percolation from precipitation averages approximately 29,000 acre-feet per year.

Deep percolation from applied water results from irrigation of gardens and other areas and also from water discharged into cesspools. Because of the diminishing size of irrigated areas and the decreasing number of cesspools, the deep percolation from applied water is expected to decline in the future.

Significant amounts of imported water have deep percolated in the past in a portion of the San Gabriel River streambed in the Central Basin and in spreading grounds. The amount of deep percolation from this source depends upon the delivery capacity of the pipeline and the availability of replenishment water from MWD.

Also, ground water basins will be incidentally replenished by the injection of fresh water to maintain barrier projects to prevent sea-water intrusion along the coast. The amount injected

depends upon the water level elevations that develop along the coast as a result of ground water basin operation.

In addition to the runoff from storms and water seeping out from streambeds in San Gabriel Valley because of high water tables, water reclaimed from waste water originating in the San Gabriel Valley is available for conservation by spreading in the Coastal Plain. The annual amount currently available for spreading is 16,200 acre-feet; which is about equal to the existing capacity of the Whittier Narrows Reclamation Plant.

Subsurface inflow also adds to the ground water supply of the area. Subsurface inflow of fresh water has occurred in the past and may be assumed to occur in the future at the Los Angeles Narrows and Whittier Narrows. The average annual subsurface inflow was estimated to be 200 acre-feet for the Los Angeles Narrows and 28,000 acre-feet for Whittier Narrows. With respect to flow across the Los Angeles-Orange County boundary line, both subsurface inflow and outflow have occurred, depending upon levels in adjoining basins. The amounts of inflow in the future at each location would vary with each plan of basin operation both within and outside the Coastal Plain.

Reduction of Water from Ground Water Basins

The amount of ground water in storage is reduced by subsurface outflow and pumping of ground water. Prior to initiation of the investigation, the average subsurface outflow was small.

In 1963, about 40 percent, or about 300,000 acre-feet, of the demand of the Coastal Plain for applied water was met by water pumped from ground water basins. In the future, the amount to be taken out of the basins by pumping will depend upon the plan of basin operation to be implemented.

III INVENTORY OF FACILITIES

Supply facilities within the Coastal Plain are those required for transmission and storage of surface and ground water to meet the fluctuating demand for applied water, spreading water, and fresh water barrier projects.

A highly developed network of both surface and ground water facilities for storage, transmission, and extraction exists within the Coastal Plain to meet the applied water demand of residential, industrial, and commercial entities, and the very small water requirement of agriculture.

GROUND WATER BASINS AS DELIVERY FACILITIES

The ground water basins can be considered as a part of this network of facilities as is illustrated by the analogy between the physical characteristics of the ground water basins and surface distribution systems.

The rate of deep percolation and subsurface inflow into a ground water reservoir is comparable to the rate of inflow into a surface reservoir. The storage capacity of a ground water basin is comparable to the storage capacity of a surface reservoir. The transmissive characteristics of the aquifers of a ground water basin may be compared to the delivery characteristics of a distribution system. Finally, the piezometric pressure and ground water table in a basin are analogous to the hydraulic grade line elevations in a surface distribution system.

Using equations that numerically describe the flow characteristics of ground water basins and surface distribution networks, it is possible to calculate the capabilities of these water delivery media and to determine the additional facilities required. This determination makes it possible to estimate the cost of water service under various plans of basin operation.

To integrate the ground water basins into the delivery facility, a mathematical model of a basin was developed. First, however, surveys were made of the areal extent, boundaries, thickness, structures, storage capacities, and transmissibilities of aquifers. This information was then consolidated to represent an "equivalent aquifer", a composite combining the essential physical features of 11 major Coastal Plain aquifers. Those features furnished the coefficients for a set of equations simulating storage and flow in the equivalent aquifer. This set of equations, with proper values for the coefficients, is the ground water basin mathematical model. The 82 equations required for this study were solved by a general purpose analog computer because the manual simultaneous solution of these equations would have been impossible.

The ground water basin mathematical model was used to estimate future ground water level elevations at various parts of the Coastal Plain under various alternative plans of basin operation.

When the ground water basins are regarded as a transmission facility, streambeds

The total infiltration capacity of the spreading grounds in the forebay is about

A large number of wells, the terminal points of a ground water delivery facility, are scattered throughout the Coastal Plain. The distribution of these wells and the approximate magnitude of ground water pumpage in various areas are shown on Figure 10.









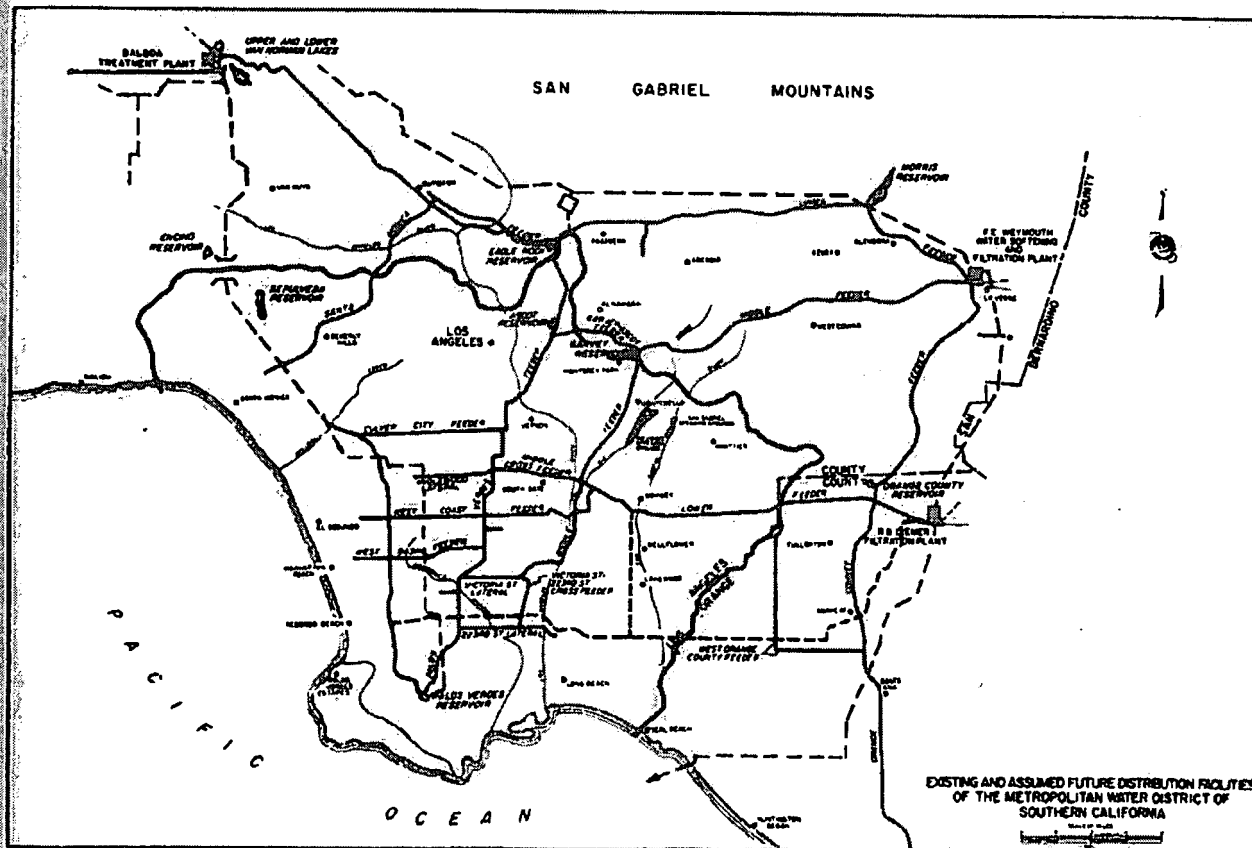
-  BOUNDARY OF INVESTIGATIONAL AREA
 BOUNDARY OF WATER-BEARING MATERIAL
 BASIN BOUNDARY
 HILL AND MOUNTAIN AREAS
 EXISTING SPREADING GROUNDS
 EXISTING BARRIER FACILITIES OPERATED BY LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
 PROPOSED BARRIER FACILITIES BY LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
 EACH DOT REPRESENTS ANNUAL GROUND WATER EXTRACTIONS OF 500 ACRE-Feet

Figure 10

Because the water injected in fresh water barriers to prevent sea-water intrusion along the coast contributes to the supply of water in ground water basins, these barriers can be also considered as initiating points of water delivery facilities. At present, there are two barrier projects located in West Coast Basin along Santa Monica Bay and at Alamitos Gap. A barrier project will be constructed at Dominguez Gap soon. The lengths of these existing and planned projects are about 9 miles, 2 miles, and 4 miles, respectively.

IMPORTED WATER DELIVERY FACILITIES

The distribution systems owned and operated by the City of Los Angeles to bring water from outside the Coastal Plain are adequate for the delivery of the scheduled amounts of water to the area. The existing and proposed facilities of MWD and the State Water Project are also adequate to meet the demand for imported water in the Coastal Plain at least to 1990 under any economical plan of basin operation. The primary pipeline



LEGEND

- BOUNDARY OF INVESTIGATIONAL AREA
- EXISTING FACILITIES
- - - PROPOSED FACILITIES

Figure 11

network of MWD in the Coastal Plain is shown on Figure 11.

COMMON DELIVERY FACILITIES

Many of the water delivery facilities would be required no matter what plan is adopted for meeting the water

requirement in the Coastal Plain. This group of facilities would include small pipelines beyond the connection to the MWD's pipelines. The distribution systems owned and operated by both private and municipal agencies, such as the pipeline networks of the City of Los Angeles and the City of Long Beach, would also be in this category.

IV ECONOMIC EVALUATION

The Coastal Plain ground water managers can best understand the changes in their water service requirements and the political, legal, social, and organizational forces that influence management decisions. These forces may play a dominant role in the selection of a management plan and often override cost and benefit considerations. For these reasons, basin management must remain in local hands.

This investigation was restricted to the physical and economic aspects of basin operation. In considering the costs and benefits of alternative plans of operation, the measure of the benefits is satisfying the applied water demands for the study area. As these water demands (benefits) are common to all plans, one merely needs to estimate the costs of the plans to determine their economic advantages.

There are two extremes in providing water service. One is to rely exclusively on ground water basins as a source of water and the other is to use imported water facilities exclusively. Between these two extremes lie a great range of possible alternatives, as may be surmised by referring to Figure 12.

Operational possibilities for utilizing the ground water in storage are also numerous. The amount of ground water in storage could be increased to halt saline intrusion, or it could be left unchanged or even decreased from the present level by maintaining freshwater barrier projects along the coast.

VARIABLES

The variables in the operation of the ground water basins are the timing, amounts, and locations of both extraction and artificial replenishment. In addition, the method of preventing saline water intrusion also could be considered as an operational variable. These factors can be expressed in terms of:

1. Spreading schedule of imported water at the Montebello Forebay;
2. Methods of preventing saline intrusion;
3. Pattern of ground water extraction;
4. Schedules of ground water extraction.

EVALUATION OF VARIABLES BY APPLICATION TO ALTERNATIVE PLANS

In all, more than 50 plans of operation were evaluated during this investigation, and comprehensive operational-economic information was developed.

It was found that it is impracticable to form a seaward freshwater gradient by filling the Coastal Plain aquifers as rapidly as required to forestall further sea-water intrusion along the coast. Furthermore, economic evaluation of many plans indicated that it is much more expensive to fill the basins than maintain freshwater barriers to stop sea-water intrusion. Consequently, analysis can be confined to those plans that involve freshwater barriers.

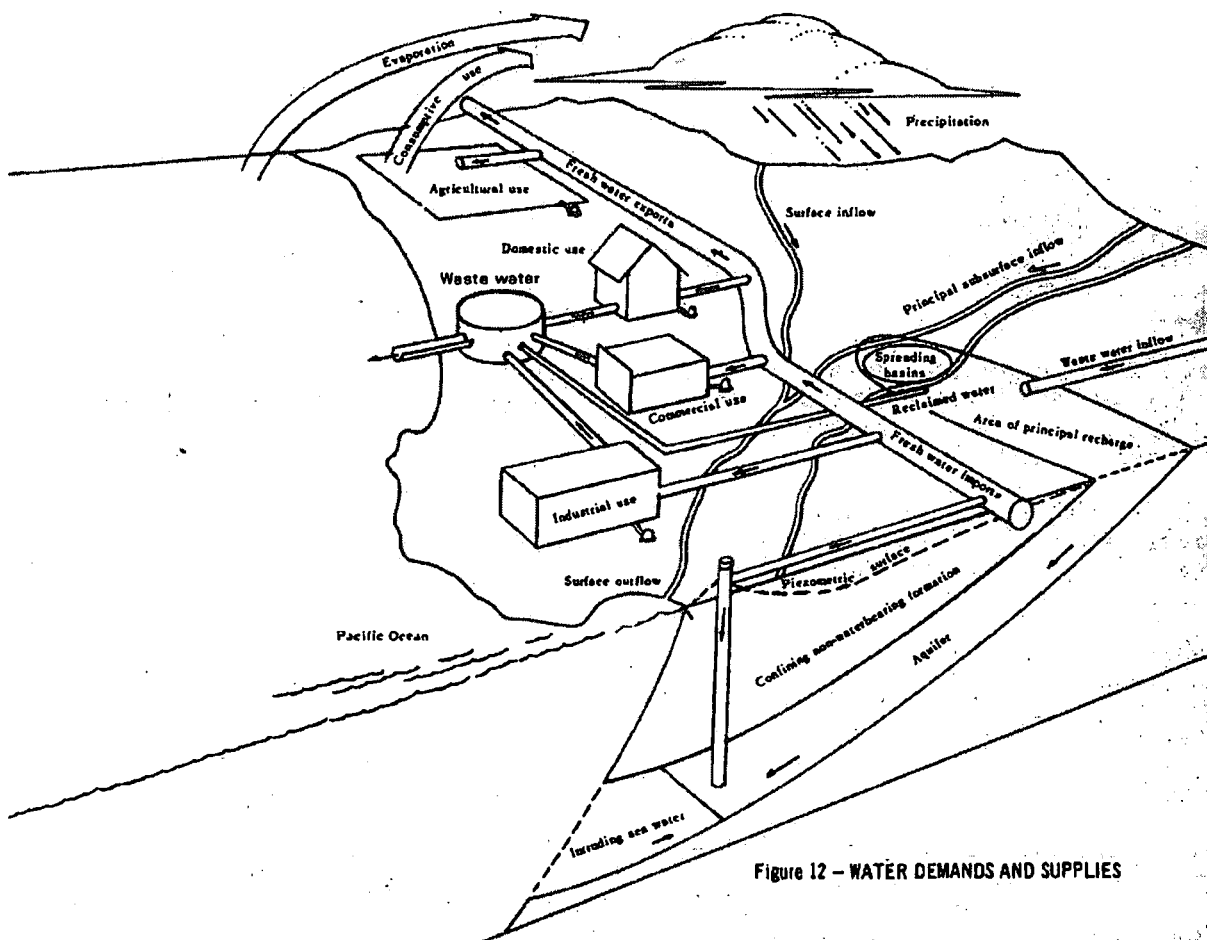


Figure 12 - WATER DEMANDS AND SUPPLIES

It has been generally believed that location of pumping is a significant factor in the management of ground water basins. However, it was found that location of pumping caused a comparatively negligible economic impact in the Central Basin of the Coastal Plain.

Even though the pumping pattern was varied substantially in the Central Basin, cost difference was found to be minor. However, a shift in pumping pattern from the coastal area to the inland portion of the West Coast Basin was found to have a beneficial effect on the cost of maintaining the freshwater barriers.

Five plans that cover the range of significant variables were selected for detailed

analyses. An extensive volume of information relating to them was published in Appendix C to this bulletin. Of those five, four were chosen to be offered here for consideration.

Plan A (Plan 117-11 in Appendix C) - provides for the use by 1990 of 1,000,000 of the 35,000,000 acre-feet of ground water in storage. (Ground water levels would be stabilized after 1990, at which time a safe-yield operation would be initiated. The basin would not be filled to its initial-1963-level.)

Plan B (Plan 117-5 in Appendix C) - provides for a median use of stored ground water, 1,000,000 acre-feet.

(Ground water levels would be stabilized after 1990, at which time a safe-yield operation would be initiated. The basin would not be filled to its initial--1963--level.)

Plan C (Plan 117-4 in Appendix C) - provides for the maintenance of ground water storage under average precipitation at present levels (immediate safe-yield operation).

Plan D (Plan 318-5 in Appendix C) - same as Plan C except it includes spreading a large amount of imported water.

Information concerning water demand and supply in the Coastal Plain during the period of detailed economic study is presented in Tables 1, 2, 3, and 4. Table 5 summarizes this information.

In Tables 1-4, columns 5, 6, 7, 8, and 12 (import by Los Angeles Department of Water and Power, import from San Gabriel Valley, filtered import by MWD for domestic use, and ground water extraction) are related to the amount of water directly used for consumption, and columns 9, 10, and 11 (filtered injection water, raw spread water, and reclaimed waste water) indicate the amount of water used for replenishment of ground water basins.

COST OF WATER SERVICE

In the computation of the cost of each plan of operation, facilities that are required for service of water regardless of source, such as existing storage reservoirs, were excluded from economic consideration because the cost associated with those facilities would be the same under each alternative.

TABLE 1
OPERATIONAL PLAN 'A'
ESTIMATED ANNUAL AMOUNTS OF WATER DEMAND AND WATER SUPPLY
IN THE COASTAL PLAIN OF LOS ANGELES COUNTY FROM 1963 THROUGH 1990
IN 1,000 ACRE-FEET PER YEAR

	1	2	3	4	5	6	7	8	9	10	11	12	13
YEAR	Applied water demand	Injection demand	Spreading demand	Total water demand 1, 2, 3	Import* by LADWP	Import from S.G.V.	Import from San Gabriel Valley	By Metro. filter dome.	Water inject.	Dist. raw spread	Reclaimed waste water	Ground water extractn.	Total water supply 5 to 12
1963	852	8	59	919	187	10	277	0	8	46	13	388	919
1964	872	15	36	923	187	10	287	0	15	23	13	388	923
1965	892	22	18	932	178	10	297	0	22	5	13	408	933
1966	912	54	20	986	188	10	318	1	54	7	13	416	987
1967	932	88	19	1,017	158	10	308	33	88	6	13	424	1,018
1968	952	85	18	1,055	148	10	298	85	85	5	13	432	1,057
1969	972	77	17	1,066	138	10	288	87	77	4	13	439	1,068
1970	992	81	16	1,089	128	10	283	124	81	3	13	447	1,089
1971	1,008	85	15	1,108	128	10	270	145	85	2	13	455	1,108
1972	1,024	89	17	1,130	128	10	262	168	89	4	13	457	1,131
1973	1,040	93	18	1,151	127	10	253	191	93	5	13	459	1,151
1974	1,057	95	19	1,171	127	10	244	218	95	6	13	459	1,170
1975	1,073	89	19	1,181	127	10	236	241	99	6	13	459	1,191
1976	1,089	102	20	1,211	127	10	229	264	102	7	13	459	1,211
1977	1,105	104	20	1,229	127	10	222	287	104	7	13	459	1,229
1978	1,121	107	20	1,248	126	10	214	311	107	7	13	459	1,247
1979	1,137	111	20	1,268	126	10	207	335	111	7	13	459	1,268
1980	1,153	113	19	1,285	126	10	201	357	113	6	13	459	1,285
1981	1,168	116	19	1,293	126	10	194	369	116	6	13	459	1,293
1982	1,184	118	19	1,301	126	10	188	381	118	6	13	459	1,301
1983	1,168	121	19	1,308	126	10	182	392	121	6	13	459	1,309
1984	1,174	123	18	1,315	126	10	178	401	123	5	13	459	1,315
1985	1,180	128	18	1,324	127	10	175	410	126	5	13	459	1,325
1986	1,185	128	17	1,330	127	10	168	422	128	4	13	459	1,331
1987	1,191	130	16	1,337	127	10	164	431	130	3	13	459	1,337
1988	1,186	132	16	1,344	127	10	160	440	132	3	13	459	1,344
1989	1,201	135	15	1,351	127	10	157	449	135	2	13	459	1,352
1990	1,207	137	14	1,358	127	10	154	457	137	1	13	459	1,358
TOTAL	30,008	2,673	561	33,242	3,837	280	6,414	8,987	2,673	197	364	12,496	33,248

* From Bulletin No. 104-C. Second Los Angeles Aqueduct not considered as its construction schedule was not definite at time of study.

TABLE 2
OPERATIONAL PLAN 'B'
ESTIMATED ANNUAL AMOUNTS OF WATER DEMAND AND WATER SUPPLY
IN THE COASTAL PLAIN OF LOS ANGELES COUNTY FROM 1963 THROUGH 1990
IN 1,000 ACRE-Feet PER YEAR

	1	2	3	4	5	6	7	8	9	10	11	12	13
YEAR	Applied water demand	Injection demand	Spreading demand	Total water demand 1, 2, 3	Imports by LADWP	Imports from S.G.V.	Imports soften domes.	By Metro. filter domes.	Water filter inject.	Dist. raw spread	Reclaimed waste water	Ground water extraction	Total water supply 5 to 12
1963	852	7	58	917	197	10	292	36	7	45	13	317	917
1964	872	14	37	923	187	10	308	66	14	24	13	301	923
1965	892	17	18	927	178	10	327	94	17	5	13	284	928
1966	912	42	22	976	168	10	318	131	42	9	13	286	977
1967	932	45	21	998	158	10	308	170	45	8	13	287	999
1968	952	62	20	1,034	148	10	298	208	62	7	13	288	1,034
1969	972	50	19	1,041	138	10	288	247	50	6	13	290	1,042
1970	992	50	18	1,060	128	10	283	280	50	5	13	291	1,060
1971	1,008	50	17	1,075	128	10	270	308	50	4	13	292	1,075
1972	1,024	52	17	1,093	128	10	262	338	52	4	13	287	1,094
1973	1,040	51	17	1,108	127	10	253	368	51	4	13	282	1,108
1974	1,057	50	17	1,124	127	10	244	393	50	4	13	282	1,123
1975	1,073	50	17	1,140	127	10	236	417	50	4	13	282	1,139
1976	1,089	51	17	1,157	127	10	229	440	51	4	13	282	1,156
1977	1,105	51	17	1,173	127	10	222	464	51	4	13	282	1,173
1978	1,121	52	17	1,190	126	10	214	488	52	4	13	282	1,169
1979	1,137	52	16	1,205	126	10	207	511	52	3	13	282	1,204
1980	1,153	53	16	1,222	126	10	201	533	53	3	13	282	1,221
1981	1,168	53	16	1,227	126	10	194	548	53	3	13	282	1,227
1982	1,184	53	16	1,233	126	10	188	557	53	3	13	282	1,232
1983	1,169	54	16	1,239	126	10	182	568	54	3	13	282	1,238
1984	1,174	54	16	1,244	126	10	178	578	54	3	13	282	1,244
1985	1,180	54	15	1,249	127	10	175	586	54	2	13	282	1,249
1986	1,185	54	15	1,254	127	10	168	598	54	2	13	282	1,254
1987	1,191	55	15	1,261	127	10	164	608	55	2	13	282	1,261
1988	1,196	55	15	1,266	127	10	160	617	55	2	13	282	1,266
1989	1,201	55	15	1,271	127	10	157	625	55	2	13	282	1,271
1990	1,207	57	17	1,281	127	10	154	633	57	4	13	282	1,280
TOTAL	30,008	1,343	537	31,888	3,837	280	6,480	11,408	1,343	173	364	7,999	31,884

* From Bulletin No. 104-C. Second Los Angeles Aqueduct not considered as its construction schedule was not definite at time of study.

TABLE 3
OPERATIONAL PLAN 'C'
ESTIMATED ANNUAL AMOUNTS OF WATER DEMAND AND WATER SUPPLY
IN THE COASTAL PLAIN OF LOS ANGELES COUNTY FROM 1963 THROUGH 1990
IN 1,000 ACRE-Feet PER YEAR

	1	2	3	4	5	6	7	8	9	10	11	12	13
YEAR	Applied water demand	Injection demand	Spreading demand	Total water demand 1, 2, 3	Imports by LADWP	Imports from S.G.V.	Imports soften domes.	By Metro. filter domes.	Water filter inject.	Dist. raw spread	Reclaimed waste water	Ground water extraction	Total water supply 5 to 12
1963	852	7	57	916	197	10	292	60	7	44	13	293	916
1964	872	14	41	927	187	10	308	102	14	28	13	284	928
1965	892	13	25	930	178	10	327	142	13	12	13	236	931
1966	912	38	26	976	168	10	318	179	38	13	13	237	976
1967	932	39	23	994	158	10	308	218	39	10	13	239	995
1968	952	56	24	1,031	148	10	298	251	55	11	13	245	1,031
1969	972	42	24	1,038	138	10	288	285	42	11	13	252	1,039
1970	992	42	23	1,057	128	10	283	317	42	10	13	255	1,058
1971	1,008	42	23	1,073	128	10	270	343	42	10	13	258	1,074
1972	1,024	43	23	1,090	128	10	262	377	43	10	13	247	1,090
1973	1,040	42	23	1,105	127	10	253	413	42	10	13	237	1,105
1974	1,057	41	22	1,120	127	10	244	443	41	9	13	232	1,119
1975	1,073	40	22	1,135	127	10	236	472	40	9	13	228	1,135
1976	1,089	39	21	1,149	127	10	229	495	39	8	13	228	1,149
1977	1,105	39	20	1,164	127	10	222	518	39	7	13	228	1,164
1978	1,121	38	20	1,179	126	10	214	543	38	7	13	228	1,179
1979	1,137	38	19	1,194	126	10	207	566	38	6	13	228	1,194
1980	1,153	38	18	1,210	126	10	201	588	38	6	13	228	1,210
1981	1,168	38	19	1,215	126	10	194	600	38	6	13	228	1,215
1982	1,184	37	18	1,219	126	10	188	612	37	5	13	228	1,219
1983	1,169	37	18	1,224	126	10	182	623	37	5	13	228	1,224
1984	1,174	37	18	1,229	126	10	178	632	37	5	13	228	1,229
1985	1,180	37	17	1,234	127	10	175	641	37	4	13	228	1,235
1986	1,185	37	17	1,239	127	10	168	653	37	4	13	228	1,240
1987	1,191	37	17	1,245	127	10	164	662	37	4	13	228	1,245
1988	1,196	37	17	1,250	127	10	160	672	37	4	13	228	1,251
1989	1,201	37	17	1,255	127	10	157	680	37	4	13	228	1,256
1990	1,207	37	16	1,260	127	10	154	688	37	3	13	228	1,260
TOTAL	30,008	1,021	629	31,658	3,837	280	6,480	12,775	1,021	265	364	6,643	31,665

From Bulletin No. 104-C. Second Los Angeles Aqueduct not considered as its construction schedule was not definite at time of study.

TABLE 4
OPERATIONAL PLAN 'D'
ESTIMATED ANNUAL AMOUNTS OF WATER DEMAND AND WATER SUPPLY
IN THE COASTAL PLAIN OF LOS ANGELES COUNTY FROM 1963 THROUGH 1990
IN 1,000 ACRE-Feet PER YEAR

1	2	3	4	5	6	7	8	9	10	11	12	13
YEAR	Applied water demand	Injection demand	Spreading demand	Total water demand 1, 2, 3	Import by LADWP	Import from S.G.V.	Import By Metropolitan Water District			Reclaimed waste water	Ground water extraction	Total water supply 5 to 12
							soften doses.	filter doses.	filter infect.	raw spread		
1963	852	7	58	917	197	10	292	49	7	45	13	917
1964	872	14	64	950	187	10	308	76	14	51	13	950
1965	892	13	66	971	178	10	327	100	13	53	13	972
1966	912	39	64	1,015	168	10	318	137	39	51	13	1,016
1967	932	40	62	1,034	159	10	308	176	40	48	13	1,035
1968	952	56	61	1,069	148	10	298	215	56	48	13	1,070
1969	972	43	60	1,075	138	10	288	253	43	47	13	1,075
1970	992	43	59	1,094	128	10	283	288	43	46	13	1,094
1971	1,008	43	58	1,109	128	10	270	317	43	46	13	1,110
1972	1,024	43	57	1,124	128	10	262	344	43	44	13	1,125
1973	1,040	42	56	1,138	127	10	263	372	42	43	13	1,138
1974	1,057	42	56	1,155	127	10	244	397	42	43	13	1,154
1975	1,073	41	55	1,169	127	10	236	421	41	42	13	1,168
1976	1,089	41	54	1,184	127	10	229	444	41	41	13	1,183
1977	1,105	41	54	1,200	127	10	222	468	41	41	13	1,200
1978	1,121	41	53	1,215	126	10	214	492	41	40	13	1,214
1979	1,137	41	53	1,231	126	10	207	515	41	40	13	1,230
1980	1,153	41	53	1,247	126	10	201	537	41	40	13	1,246
1981	1,168	41	52	1,251	126	10	194	560	41	39	13	1,251
1982	1,184	41	52	1,267	126	10	188	581	41	39	13	1,256
1983	1,169	41	52	1,262	126	10	182	572	41	39	13	1,261
1984	1,174	41	52	1,267	126	10	178	582	41	39	13	1,267
1985	1,180	41	52	1,273	127	10	175	590	41	39	13	1,273
1986	1,185	41	51	1,277	127	10	168	602	41	38	13	1,277
1987	1,191	41	51	1,283	127	10	164	612	41	38	13	1,283
1988	1,196	41	51	1,288	127	10	160	621	41	38	13	1,288
1989	1,201	41	51	1,289	127	10	157	629	41	38	13	1,293
1990	1,207	41	51	1,299	127	10	154	637	41	38	13	1,298
TOTAL	30,008	1,081	1,558	32,647	3,837	280	6,480	11,557	1,081	1,184	384	7,851
												32,644

From Bulletin No. 104--C. Second Los Angeles Aqueduct not considered as its construction schedule was not definite at time of study.

In addition, other fixed cost items, such as operation cost, profits of water purveyors, and costs related to water rights, were excluded because they would be the same under all plans.

It was also found in Appendix C that water quality degradation and land subsidence from ground water level decline do not require consideration in the cost comparison of alternatives.

Those items that were considered in the computation of cost of each plan are existing and additional facilities, such as pumps and wells, whose associated costs would be different under different alternatives. They were grouped into four categories: surface water facilities, ground water facilities, electrical energy requirements, and imported water supply. For convenience, the costs

of storage facilities were included in those of surface water facilities, and both the energy cost and the connected load charge for well pumps and boosters were included in the costs of electrical energy. The unit costs of these facilities were based on interest rates of 4 percent for MWD and 4.5 percent for smaller water agencies and on representative life-spans of facilities in the Coastal Plain, and were adjusted to the 1963 cost level by using the Engineering News-Record construction cost index. Costs of imported water supplies to the Coastal Plain were predicated on the cost of delivery, which includes the capital, maintenance, and operation costs for the water imported by the City of Los Angeles (from the Owens River-Mono Basin) and by the City of Whittier from San Gabriel Valley, and also on the prices that may be charged by MWD to water agencies for the various types of raw and treated water sold by it.

TABLE 5
TOTAL AMOUNTS OF COMPONENTS OF WATER DEMAND AND SUPPLY IN THE
COASTAL PLAIN OF LOS ANGELES COUNTY FOR THE STUDY PERIOD
1963 THROUGH 1990 FOR SELECTED PLANS OF OPERATION
IN THOUSANDS OF ACRE-FEET*

COMPONENT	Plan number			
	Plan 'A'	Plan 'B'	Plan 'C'	Plan 'D'
<u>WATER DEMAND</u>				
Applied water demand	30,010	30,010	30,010	30,010
Injection demand	2,670	1,340	1,020	1,080
Spreading demand	<u>560</u>	<u>540</u>	<u>630</u>	<u>1,560</u>
TOTAL WATER DEMAND	33,240	31,890	31,660	32,650
<u>WATER SUPPLY</u>				
Import by Los Angeles Department of Water & Power	3,840	3,840	3,840	3,840
Import from San Gabriel Valley	280	280	280	280
Import by Metropolitan Water District				
Softened industrial and domestic	6,410	6,480	6,480	6,480
Filtered industrial and domestic	6,990	11,420	12,770	11,560
Filtered injection water	2,870	1,340	1,020	1,090
Raw spread water	200	170	270	1,190
Reclaimed waste water	360	360	360	360
Ground water extraction	<u>12,480</u>	<u>8,000</u>	<u>6,640</u>	<u>7,850</u>
TOTAL WATER SUPPLY	33,240	31,890	31,660	32,650

*From Bulletin No. 104-C. Second Los Angeles Aqueduct not considered as its construction schedule was not definite at time of study.

The cost of each facility was summed to obtain the total cost of water service, which includes the cost of ground water, imported water, replenishment of ground water basins, and prevention of sea-water intrusion. The cost of imported water includes ad valorem taxes paid by property owners in the Coastal Plain.

The total of these costs constitutes the cost of water service for the Coastal Plain. These costs would be incurred at different times under different plans of operation. The economic effect of incurring the same total amount of expenditure at different times would vary with the plan. To establish a viable economic comparison of all alternatives, it is necessary to convert all costs--regardless of the difference in time of expenditure--to the common denominator of present worth.

Present Worth

Present worth of the total cost of water service under each plan of operation may be considered as the amount of money that is needed today to meet future financial obligations associated with the water service. Thus, a comparison of present worth of the four plans would provide a comparative measure of the extent of financial obligations that would be

imposed on the decision-makers and the water users they serve.

Economic Evaluation

The cost of imported water was shown to be the biggest cost item in each of the four alternative plans. The cost depends chiefly on the future pricing policies of MWD from which the Coastal Plain purchases imported water.

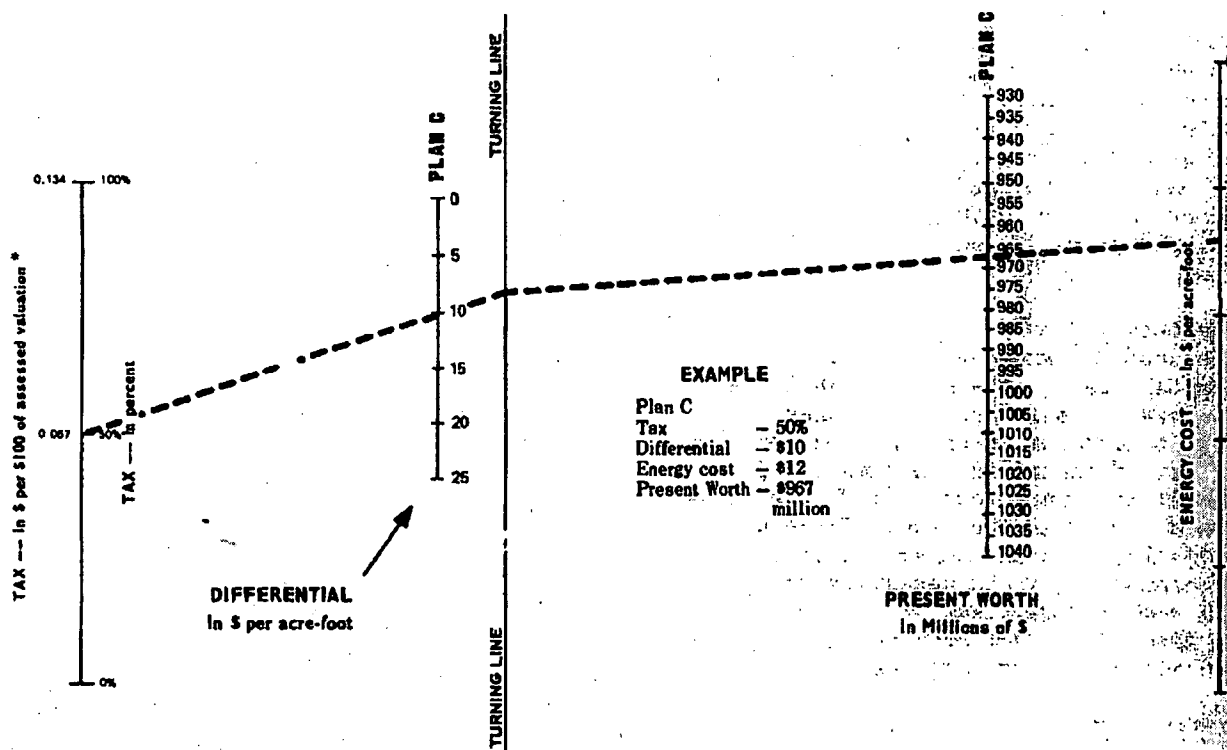
To understand the importance of the MWD pricing policy on the Coastal Plain water economics, an analysis of the policy is necessary.

Conceptually, various means can be employed to pay for water service: Users of imported water can pay the complete cost for carrying it from source to point of delivery; property owners can pay the complete cost through taxes (ad valorem taxes); and users and taxpayers can divide the cost. This last means is the one MWD has employed to date--some 50 percent of its capital cost of constructing facilities is now borne by an ad valorem tax.

In addition, the present pricing policy provides different prices for water used for agricultural and ground water replenishment purposes and for water used for domestic and industrial purposes.

TABLE 6
PRESENT WORTH OF FUTURE TOTAL COSTS
OF WATER SERVICE IN THE COASTAL PLAIN OF
LOS ANGELES COUNTY

<u>Category</u>	<u>Plan A</u>	<u>Plan B</u>	<u>Plan C</u>	<u>Plan D</u>
Present worth of costs from 1963 to 1990	\$ 902,000,000	\$ 958,000,000	\$ 972,000,000	\$ 956,000,000
Present worth of costs from 1991 to perpetuity	412,000,000	400,000,000	405,000,000	397,000,000
TOTAL	\$1,314,000,000	\$1,358,000,000	\$1,377,000,000	\$1,353,000,000



USE OF THE NOMOGRAPH

1. Select plan of operation.
2. Connect appropriate points on tax scale and differential scale. Mark intersection of this line with turning line.
3. Connect point of turning line with energy cost point. Where this line intersects present worth line, read the present worth of total cost of water service for the selected plan.

DEFINITIONS

Tax. % of financial obligation for Metropolitan Water District facilities borne by property tax.

Differential. Difference in price between domestic-industrial and agricultural-replenishment water imported to the Coastal Plain.

Energy Cost. Energy charge (including operation, maintenance, replacement, and power costs) for State Water Project water delivered to Southern California.

Present Worth. Present worth of total cost of water service, 1963 through 1990.

* Based on the assumption that the indicated ad valorem tax rate will be continued to the year 2039.

Figure 13—NOMOGRAPH TO DETERMINE PRESENT WORTH OF TOTAL COST OF WATER SERVICE IN THE COASTAL PLAIN UNDER VARIABLE CONDITIONS AFFECTING THE PRICE OF IMPORTED WATER—1963 THROUGH 1990

however, MWD has not announced a long-range policy; therefore, to get a long-range economic evaluation of alternatives, assumptions were made regarding MWD pricing differentials and ad valorem taxes.

Another significant factor affecting the unit price of MWD water is the energy cost of pumping water from the State Water Project over the Tehachapi Mountains. In recent years, the estimated cost of energy for pumping imported water has decreased. To facilitate the evaluation of the economics of the alternative plans under changing conditions with respect to pricing policies and energy costs, nomographs were developed and presented in Appendix C. One of them is given here as an example. (See Figure 13.)

Using the nomograph, the present worth of cost of water service for Plans A, B, C, and D was determined under the assumption that the present MWD pricing policy would be followed in the future. Table 6 shows the result of this determination. The ad valorem tax has been included in this table.

In evaluating this table, it must be remembered that the table is for the entire Coastal Plain of Los Angeles County. To obtain the economic information for individual water agencies such as Central and West Basin Water Replenishment District, supplemental analyses will be required.

For Plan D, if surplus water from the State Water Project could be purchased from MWD at a smaller price than indicated in the MWD's pricing schedule, proper adjustment should be made to the present worth of the cost of water service under the plan.

In evaluating these curves, a question may arise as to the differences in the values of ground water remaining in storage in 1990 under Plans A, B, C, and D.

Under all plans, the ground water basin will provide the same quantity of water from 1991

to perpetuity, although from different depths. Therefore, the comparative values of ground water in storage for the alternative plans would be the differences between the present worth of total future costs for these plans from 1991 to perpetuity. These differences have already been included in the costs to perpetuity in Table 6.

In making a long-range water management plan in the Coastal Plain, the timing of the construction of the next water project is also of vital concern to local agencies.

The economically desirable timing would be the time when the total cost of the next imported water project equals the total cost of the least expensive alternative supply -- ground water, converted salt water, and reclaimed waste water. In setting this timing, consideration should be given to ascertaining that an adequate local emergency supply is available. For exact timing, however, a more detailed study should be made by evaluating the present worth of total cost of water service with alternative times of construction.

CONCLUDING REMARKS

An important finding that has evolved from this investigation is that the most economically significant factors in the Coastal Plain's water service cost are the price of imported water and the proportionate use of imported water and ground water in storage. It was also found that changes in assumed conditions substantially affect the comparison of the water service costs under alternative plans.

Because the investigation was based on numerous unavoidable assumptions and these assumed conditions continually change, the water agencies in the Coastal Plain must consider the impact of these changes on the cost of water service before a management decision is made. Appendixes A, B, and C to this bulletin provide data and procedures for such considerations.

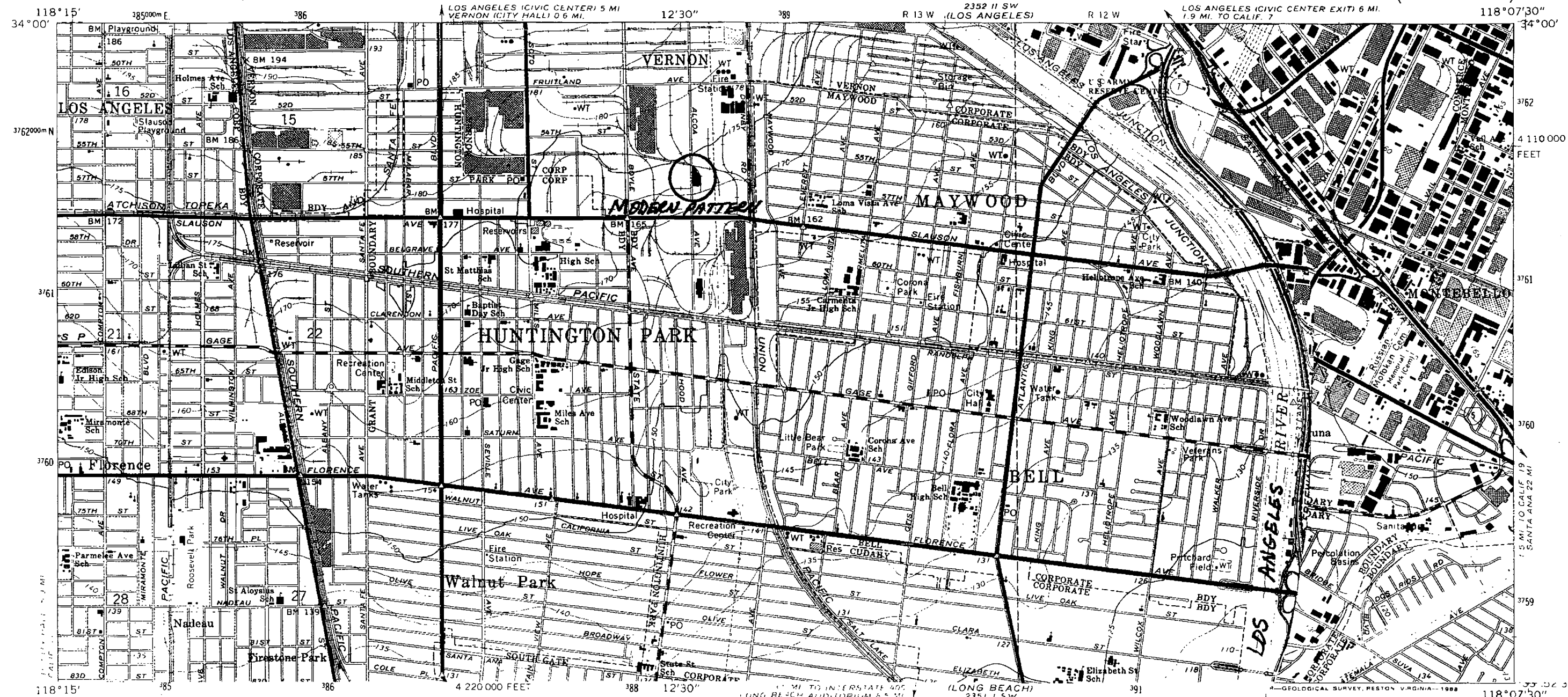
DWR 1981

**California Department of Water Resources, Contour Interval 5-Feet, South
Gate, Calif, Photo-revised 1981**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

SOUTH GATE QUADRANGLE
CALIFORNIA-LOS ANGELES CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

Control by USGS, NOS/NOAA, and Los Angeles City and County
Planimetry by photogrammetric methods from aerial photographs
taken 1963. Topography by planetable surveys 1964

Polyconic projection 10,000-foot grid ticks based on
California coordinate system, zone 7. 1000-meter
Universal Transverse Mercator grid ticks, zone 11, shown
in blue. 1927 North American Datum. To place on the
predicted North American Datum 1983 move the projection
lines 2 meters north and 85 meters east as shown by
dashed corner ticks

Red tint indicates areas in which only landmark buildings are shown

This map lies within a subsidence area
Vertical control based on latest available adjustment

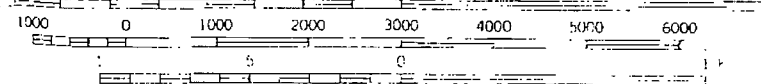
There may be private inholdings within the boundaries of the
National or State reservations shown on this map

Revisions shown in blue and woodland compiled from aerial
photographs taken 1963 and other sources. This information
is for reference only. Map dated 1981

Map of the quadrangle within the urban areas

UTM GRID AND 1981 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:24,000



CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION

Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———
Interstate Route ——— State Route ———

SOUTH GATE, CALIF.

33118-H2 TF 024

1964

PHOTOREVISED 1981

DMA-2351-1-NW-SERIES V895

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON R

DWR 2004

**California Department of Water Resources, Bulletin 118 - California's
Groundwater, Coastal Plain of Los Angeles County Groundwater Basin, West
Coast Subbasin, Updated February 27, 2004**

Coastal Plain of Los Angeles Groundwater Basin, Central Subbasin

- Groundwater Basin Number: 4-11.04
- County: Los Angeles
- Surface Area: 177,000 acres (277 square miles)

Basin Boundaries and Hydrology

The Central Subbasin occupies a large portion of the southeastern part of the Coastal Plain of Los Angeles Groundwater Basin. This subbasin is commonly referred to as the "Central Basin" and is bounded on the north by a surface divide called the La Brea high, and on the northeast and east by emergent less permeable Tertiary rocks of the Elysian, Repetto, Merced and Puente Hills. The southeast boundary between Central Basin and Orange County Groundwater Basin roughly follows Coyote Creek, which is a regional drainage province boundary. The southwest boundary is formed by the Newport Inglewood fault system and the associated folded rocks of the Newport Inglewood uplift. The Los Angeles and San Gabriel Rivers drain inland basins and pass across the surface of the Central Basin on their way to the Pacific Ocean. Average precipitation throughout the subbasin ranges from 11 to 13 inches with an average of around 12 inches.

Hydrogeologic Information

Water Bearing Formations

Throughout the Central Basin, groundwater occurs in Holocene and Pleistocene age sediments at relatively shallow depths. The Central Basin is historically divided into forebay and pressure areas. The Los Angeles forebay is located in the northern part of the Central Basin where the Los Angeles River enters the Central Basin through the Los Angeles Narrows from the San Fernando Groundwater Basin. The Montebello forebay extends southward from the Whittier Narrows where the San Gabriel River encounters the Central Basin and is the most important area of recharge in the subbasin. Both forebays have unconfined groundwater conditions and relatively interconnected aquifers that extend up to 1,600 feet deep to provide recharge to the aquifer system of this subbasin (DWR 1961). The Whittier area extends from the Puente Hills south and southwest to the axis of the Santa Fe Springs-Coyote Hills uplift and contains up to 1,000 feet of freshwater-bearing sediments. The Central Basin pressure area is the largest of the four divisions, and contains many aquifers of permeable sands and gravels separated by semi-permeable to impermeable sandy clay to clay, that extend to about 2,200 feet below the surface (DWR 1961). The estimated average specific yield of these sediments is around 18 percent. Throughout much of the subbasin, the aquifers are confined, but areas with semi-permeable aquicludes allow some interaction between the aquifers (DWR 1961).

The main productive freshwater-bearing sediments are contained within Holocene alluvium and the Pleistocene Lakewood and San Pedro Formations (DWR 1961). Throughout most of the subbasin, the near surface Bellflower aquiclude restricts vertical percolation into the Holocene age Gaspar aquifer and other underlying aquifers, and creates local semi-perched groundwater

conditions. The main additional productive aquifers in the subbasin are the Gardena and Gage aquifers within the Lakewood Formation and the Silverado, Lynwood and Sunnyside aquifers within the San Pedro Formation (DWR 1961). Specific yield of deposits in this subbasin range up to 23 percent in the Montebello forebay, 29 percent in the Los Angeles forebay, and 37 percent in the Central Basin pressure area (DWR 1961).

Historically, groundwater flow in the Central Basin has been from recharge areas in the northeast part of the subbasin, toward the Pacific Ocean on the southwest. However, pumping has lowered the water level in the Central Basin and water levels in some aquifers are about equal on both sides of the Newport-Inglewood uplift, decreasing subsurface outflow to the West Coast Subbasin (DWR 1961).

There are several principal aquifers/aquicludes present in this subbasin.

Aquifers/ Aquiclude	Age	Formation	Lithology	Maximum Thickness (feet)
Gaspur	Holocene		Coarse sand, gravel	120
Semiperched	Holocene		Sand, gravel	60
Bellflower	Pleistocene	Lakewood Formation	Clay, sandy clay	140
Gardena	Pleistocene	Lakewood Formation	Sand, gravel	160
Gage			Sand	120
Silverado	Lower Pleistocene	San Pedro Formation	Sandy gravel	300
Lynwood			Coarse sand and gravel	150
Sunnyside				350

Restrictive Structures

Many faults, folds and uplifted basement areas affect the water-bearing rocks in the Central Basin. Most of these structures form minor restrictions to groundwater flow in the subbasin. The strongest effect on groundwater occurs along the southwest boundary to the Central Subbasin. The faults and folds of the Newport - Inglewood uplift are partial barriers to movement of groundwater from the Central Basin to the West Coast Basin (DWR 1961). The La Brea high is a system of folded, uplifted and eroded Tertiary basement rocks. Because the San Pedro Formation is eroded from this area, subsurface flow southward from the Hollywood Basin is restricted to the Lakewood formation (DWR 1961). The Whittier Narrows is an eroded gap through the Merced and Puente Hills that provides both surface and subsurface inflow to the Central Basin (DWR 1961). The Rio Hondo, Pico, and Cemetery faults are northeast-trending faults that project into the gap and displace aquifers. The trend of these faults parallels the local groundwater flow and do not act as significant barriers to groundwater flow (DWR 1961).

Recharge Areas

Groundwater enters the Central Basin through surface and subsurface flow and by direct percolation of precipitation, stream flow, and applied water; and replenishes the aquifers dominantly in the forebay areas where permeable sediments are exposed at ground surface (DWR 1961). Natural replenishment of the subbasin's groundwater supply is largely from surface inflow through Whittier Narrows (and some underflow) from the San Gabriel Valley. Percolation into the Los Angeles Forebay Area is restricted due to paving and development of the surface of the forebay. Imported water purchased from Metropolitan Water District and recycled water from Whittier and San Jose Treatment Plants are used for artificial recharge in the Montebello Forebay at the Rio Hondo and San Gabriel River spreading grounds (DWR 1999). Saltwater intrusion is a problem in areas where recent or active river systems have eroded through the Newport Inglewood uplift. A mound of water to form a barrier is formed by injection of water in wells along the Alamitos Gap (DWR 1999).

Groundwater Level Trends

Water levels varied over a range of about 25 feet between 1961 and 1977 and have varied through a range of about 5 to 10 feet since 1996. Most water wells show levels in 1999 that are in the upper portion of their recent historical range.

Groundwater Storage

Groundwater Storage Capacity. Total storage capacity of the Central Basin is 13,800,000 (DWR 1961).

Groundwater in Storage.

Groundwater Budget (Type A)

A complete water budget could not be constructed due to the lack of data available. Recharge to the subbasin is accomplished through both natural and artificial recharge. The Watermaster reported natural recharge for the subbasin to be 31,950 af and artificial recharge to be 63,688 af for 1998 (DWR 1999). Additionally, the subbasin receives 27,000 af/yr of water through the Whittier Narrows from the San Gabriel Valley Basin in the form of subsurface flow (SWRB 1952). Urban extractions for the subbasin were 204,335 af in 1998 (DWR 1999).

Groundwater Quality

Characterization. TDS content in the subbasin ranges from 200 to 2,500 mg/l according to data from 293 public supply wells. The average for these 293 wells is 453 mg/l.

I

Impairments.

Water Quality in Public Supply Wells

Constituent Group ¹	Number of wells sampled ²	Number of wells with a concentration above an MCL ³
Inorganics – Primary	316	15
Radiological	315	1
Nitrates	315	2
Pesticides	322	0
VOCs and SVOCs	344	43
Inorganics – Secondary	316	113

¹ A description of each member in the constituent groups and a generalized discussion of the relevance of these groups are included in *California's Groundwater – Bulletin 118* by DWR (2003).

² Represents distinct number of wells sampled as required under DHS Title 22 program from 1994 through 2000.

³ Each well reported with a concentration above an MCL was confirmed with a second detection above an MCL. This information is intended as an indicator of the types of activities that cause contamination in a given basin. It represents the water quality at the sample location. It does not indicate the water quality delivered to the consumer. More detailed drinking water quality information can be obtained from the local water purveyor and its annual Consumer Confidence Report.

Well Production characteristics

Well yields (gal/min)	
Municipal/Irrigation	
Total depths (ft)	
Domestic	
Municipal/Irrigation	

Active Monitoring Data

Agency	Parameter	Number of wells /measurement frequency
USGS	Groundwater levels	90
DWR	Groundwater levels	87
Los Angeles County Public Works	Groundwater levels	212 / Bi-monthly
USGS	Miscellaneous water quality	64
Department of Health Services and cooperators	Title 22 water quality	294

Basin Management

Groundwater management: Central Basin was adjudicated in 1965, and the Department of Water Resources was appointed Watermaster. Every month extractions are reported to the Watermaster by each individual pumper. This allows the Watermaster to regulate the water rights of the subbasin. (DWR 1999)

Water agencies

Public

City of Bellflower, Bellflower-Somerset MWC, City of Compton, City of Huntington Park, City of Long Beach, City of Los Angeles DWP, City of Montebello, City of Paramount, City of Pico Rivera, City of Santa Fe Springs, Santa LA County WD, City of Signal Hill, South Montebello ID, City of South Gate, City of Vernon, City of Whittier. (DWR 1999)

Private

California-American Water Company, Montebello Land and Water Company, Bellflower Home Garden Water Co., California Water Service, Lynwood Park MWC, Maywood MWC, Park Water Company, Pearless Water Company, San Gabriel Valley Water Company, Southern California Water Company, Tract No. 180 Water Company, Tract 349 MWC, Western Water Company.(DWR 1999)

References Cited

- California Department of Water Resources (DWR). 1961. Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County. Bulletin No. 104.
- _____, Southern District. 1999. Watermaster Service in the Central Basin, Los Angeles County, July 1, 1998 – June 30, 1999.
- California State Water Resources Board (SWRB). 1952. Central Basin Investigation. Bulletin No. 8.

Additional References

- United States Geological Survey (USGS). 2000. *Analysis of the Geohydrology and Water-management Issues of the Central and West Basins, Los Angeles County, California*. Internet Web Site: <http://water.wr.usgs.gov/projects00/ca512.html>.
- Water Replenishment District of Southern California. 2000. *Annual Report on Results of Water Quality Monitoring Water Year 1998-1999*.
- _____. 2000. *Engineering Survey and Report*.

Errata

Changes made to the basin description will be noted here.

EPA 2010a

**United States Environmental Protection Agency, Envirofacts Warehouse
CERCLIS Query Results,
<http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0905741>, data
extracted May 20, 2010**



Superfund

<http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0905741>
Last updated on Thursday, May 20, 2010

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Site Name: MODERN PATTERN & FOUNDRY CO. INC. (MP)

Street: 5610 ALCOA AVENUE

City / State / ZIP: VERNON, CA 90058

NPL Status: Not on the NPL

Non-NPL Status: PA Start Needed

EPA ID: CAD982025488

EPA Region: 09

County: LOS ANGELES

Federal Facility Flag: Not a Federal Facility

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00	SITEWIDE

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Contacts

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[Actions](#) | [Contaminants](#) | [Site-Specific Documents](#)

Title	Name	Phone Number
Site Assessment Manager (SAM)	Carl Brickner	(415) 972-3814
Site Assessment Manager (SAM)	Jeff Inglis	(415) 972-3095
Site Assessment Manager (SAM)	Karen Jurist	(415) 972-3219
Site Assessment Manager (SAM)	Dawn Richmond	(415) 972-3097

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<u>OU</u>	<u>Action Name</u>	<u>Qualifier</u>	<u>Lead</u>	<u>Actual Start</u>	<u>Actual Completion</u>
00	DISCOVERY		F		12/06/2000
00	PRE-CERCLIS SCREENING		F		12/06/2000

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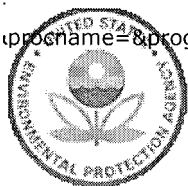
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EPA 2010b

**Environmental Protection Agency, Envirofacts Warehouse Resource
Conservation and Recovery Act Information System Query Results,
http://www.epa.gov/enviro/html/rcris/rcris_query_java.html, data extracted
May 20, 2010**



ppocname=&program_search=2&report=2&page_no=1&output_sql_switch=TRUE&database_type=RCRAINFO
Last updated on Thursday, May 20, 2010

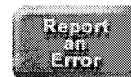
Resource Conservation and Recovery Act (RCRAInfo)

You are here: [EPA Home](#) [Envirofacts](#) [RCRAInfo](#) Query Results



RCRAInfo

Query Results



Data Disclaimer

Only RCRAInfo facility information was searched to select facilities

Name: Beginning With: Modern Pattern & Foundry Co. Inc

Results are based on data extracted on APR-29-2010

Total Number of Facilities Displayed: 0

EPA 2010c

**Environmental Protection Agency Region 9, GIS Center, Site Report for the
State of California, Modern Pattern & Foundry Co. Inc., June 7, 2010**

**The EPA Region 9 GIS Center Report for the Modern Pattern & Foundry Co.
Inc. site is included in the confidential information packet.**

GREGG 2009

**Gregg Drilling, Southern California Groundwater Depth Chart,
[http://greggdrilling.com/PDF_files/GROUNDWATERTABLES/GWDEPTHsi
gnahilljan2009.pdf](http://greggdrilling.com/PDF_files/GROUNDWATERTABLES/GWDEPTHsignahilljan2009.pdf), pages 18 and 19, January 2009**

SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Agoura Hills	FX-9 Wells	19				558-D6
Agoura Hills		30		3/23/1998		558-A5
Alpine		33	40	9/29/2003		
Anaheim		20	35	4/26/2004		
Anaheim		85	85	5/5/2003		
Anaheim		55		2/19/1999		768-D7
Anaheim		100				768-F5
Anaheim		18				770-E1
Anaheim		20				767-J5
Anaheim		50	60	5/3/2004		
Anaheim		95		6/18/1998		769-A5
Anaheim		115		1/14/1998		769-C1
Anaheim		40				768-C3
Arlington		10	25	3/14/2000	GP/SW	714-G3 RIV
Artesia		20				736-H6
Artesia		36				736-H7
Azusa		47				569-B6
Bakersfield		40	60	5/18/2004		
Bakersfield		38		1/12/1999		226-A2 KER
Bakersfield		142		7/13/1998		220-C3 KER
Bakersfield		98	110	4/5/2004		
Bakersfield		80	100	3/2/2000	SM/SW	225-F2 KER
Baldwin Park		90				637-H1
Baldwin Park		123				598-D6
Barstow		55				245-C4 SBD
Bell		25	50	10/16/2003		
Bell		143				705-D1
Bell Gardens		65		12/21/1998		705-J1
Bellflower		12	40	4/26/2000	SM	736-A7
Bellflower		11				736-A6
Bellflower		65				736-A5
Bellflower		34				736-A6
Bellflower		53				736-C3
Bellflower		17	40	5/19/2003		
Bellflower		39				736-D7
Beverly Hills		20				632-H3
Brea		45				739-A1
Brea		45				709-A7
Brea		15				738-G1
Buena Park		35		7/29/1998		737-G7

NOTE: An "X" shown in the Groundwater Depth (GWD) column indicates that groundwater was not encountered at the total depth drilled.

SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Buena Park	FX-9 Wells	40		3/3/1999		737-J5
Buena Park		12		12/23/1997		767-G2
Buena Park		20	30	3/13/2000	SM	767-J2
Buena Park		10				767-E2
Burbank		46				563-H1
Burbank		25	35	8/25/2003		
Burbank		130				533-D6
Burbank		100				533-F7
Burbank		40				533-E6
Calabasas		30		6/15/1998		558-H6
Calabasas		45	50	3/11/2004		
Calpatria		14	25	1/8/2008		
Camarillo		32	50	7/21/2003		
Camarillo		13	20	4/12/2000	SM/SW	493-F6 VEN
Camp Pendleton		20	27	8/27/2003		
Canoga Park		15	40	10/29/2003		530-F5
Canoga Park		18	26	4/16/2003		
Canoga Park		40	50	4/7/2000	SM	530-B2
Canoga Park		34	45	12/27/2002		530-B4
Canoga Park		25	45	10/8/2003		
Canoga Park		30		7/17/1998		529-H2
Canoga Park		55		3/18/1999		529-H2
Canoga Park		25	35	1/25/2000	GP/SW	529-J5
Canoga Park		18				530-B6
Carlsbad		15	26	3/8/2000	SW/CL	1106-E5 SD
Carlsbad		45		3/29/1999		1106-F6 SD
Carson		72		5/12/1997		794-F1
Carson		58	65	4/15/2004		
Carson		65	88	2/18/2004		
Carson		35	62	3/20/2000	CL	764-H7
Carson		50				764-C4
Carson		8	15	11/15/2003		
Carson		15	60	12/22/2003		
Carson		12.5				764-F6
Carson		30				764-G6
Carson		65				764-E7
Carson		28				764-G7
Carson		76	80	3/10/2000	GP/SW	794-E2
Carson		35				764-J7
Carson		9				764-E4

NOTE: An "X" shown in the Groundwater Depth (GWD) column indicates that groundwater was not encountered at the total depth drilled.

SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Carson	FX-9 Wells	29		1/12/1998		764-E6
Carson		42				764-J4
Carson		8				764-E5
Carson		15		2/20/1998		764-H5
Carson		13	27	12/26/2002	SM	764-H5
Carson		58	70.5	12/1/2003		
Carson		20	55	1/30/2007		764-D3 LA
Carson		60	82	6/12/2003		
Carson		50	70	6/26/2003		
Carson		50				764-C4
Carson		70	90	7/9/2003		794-D3
Carson		74				764-E5
Carson		55	102	1/21/2000	SW/SM	764-B7
Carson		39				764-H6
Carson		59		3/21/1999		794-H2
Carson		10.5	65	4/27/2007		
Catalina Island		20	36	9/23/2004		
Cerritos		13				737-A7
Cerritos		10	16	1/17/2000		737-C7
Cerritos		10				737-D5
Cerritos		12		3/2/1998		767-C1
Cerritos		10		3/12/1999		767-C2
Cerritos		67				736-J6
Cerritos		50				736-E5
Cerritos		12	50	11/1/2007		
Cerritos		9.4	35	1/22/2008		
Chula Vista		54	60	11/20/2003		
Chula Vista		20		3/22/1999		1310-A6 SD
Chula Vista		18	77	12/10/2007		
Claremont		25				601-B2
Clulver City		28	50	8/4/2003		
Coachella		20	50	2/10/2004		
Colton		93	95	4/28/2000	SW/GP	605-H7 SBD
Commerce		65	70	6/24/2003		
Commerce		90	121	4/30/2003		
Commerce		80	97	1/31/2000		676-B4
Commerce		90	105	2/7/2000	SM/SW	676-A6
Commerce		100	110	4/18/2004		
Commerce		72		4/22/1998		675-G6
Commerce		100	103	1/9/2003	SW/SM	675-J3

NOTE: An "X" shown in the Groundwater Depth (GWD) column indicates that groundwater was not encountered at the total depth drilled.

SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Compton	FX-9 Wells	30	50	2/23/2004		
Compton		32	80	4/14/2000	SM	735-A2
Compton		40				735-B4
Compton		35		1/31/1998		734-F4
Compton		50				734-F1
Compton		30		2/17/1999		735-B4
Compton		40				735-B3
Compton		38				735-A3
Compton		91				735-D2
Compton		40				735-B6
Compton		45				735-B4
Corona		25	35	2/7/2000	GP/SW	743-B3 RIV
Corona		43	65	11/6/2003		
Corona		43	60	11/24/2003		
Corona Del Mar		20	30	5/10/2000	SM/CL	889-F7
Corona Del Mar		80				919-F3
Costa Mesa		30	45	12/1/2003		
Costa Mesa		39				888-H4
Costa Mesa		50		4/15/1999		888-J1
Costa Mesa		18		12/16/1998		889-A5
Coto de Caza		8		1/4/1999		923-B5
Covina		13				599-B2
Covina		32				599-H7
Covina		101				598-F5
Culver City		15				672-H7
Culver City		19				673-A1
Culver City		68		1/25/1999		672-E2
Culver City		63		1/28/1998		672-E3
Culver City		50				672-F7
Culver City		40				672-C4
Cypress		8		3/26/1999		797-A1
Cypress		11	13	3/16/2000		797-B1
Cypress		10	19	3/17/2000	SM/SW	767-E7
Del Mar		27	45	1/9/2008		SD 1187-G7
Diamond Bar		10				679-G7
Diamond Bar		37				640-C7
Downey		49	60	12/9/2003		
Downey		40		7/31/2003		
Downey		58	76	8/4/2003		
Downey		55		5/3/1999		706-B6

NOTE: An "X" shown in the Groundwater Depth (GWD) column indicates that groundwater was not encountered at the total depth drilled.

SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Downey	FX-9 Wells	44				706-C6
Downey		22				705-G6
Downey		30	75	4/27/2000	SM	706-D6
Downey		30				736-C1
Downey		62				706-D2
El Cajon		14		3/24/1999		1251-J4 SD
El Monte		48	60	6/2/2003		
El Monte		68	85	10/23/2003		
El Monte		75				597-C5
El Monte		16				637-D2
El Monte		88				597-F7
El Monte		34				637-D3
El Monte		8	16.5	7/8/2003		
El Segundo		98				732-E1
El Segundo		100				733-E1
Encinitas		45	57	5/8/2003		
Escondido		22	30	12/28/1999	SM	1129-G4 SD
Escondido		19		3/17/1998		1129-D1 SD
Fountain Valley		13	26	10/3/2003		
Fountain Valley		12	23	4/28/2000	SM	828-D7
Fountain Valley		15	23	1/7/2003	SM	828-D7
Fountain Valley		10	55	5/25/2000	SM/CL	828-C5
Fountain Valley		10	25	3/21/2000	SM	828-E7
Fresno		75	96	6/9/2003		264-C5
Fresno		135	160	6/11/2003		263-B3
Fresno		140	160	8/4/2003		
Fullerton		160				738-D6
Fullerton		60	66	2/26/2004		738-H7
Fullerton		15	80	1/15/2004		
Fullerton		105		3/16/1998		769-B1
Fullerton		75		2/28/1998		768-H1
Fullerton		100				738-C5
Fullerton		28		7/10/1998		738-C6
Fullerton		23		1/6/1999		738-C7
Fullerton		12	15	3/27/2000	SM/CL	738-B7
Garden Grove		8				797-G5
Garden Grove		15	25	3/29/2004		798-B7
Garden Grove		16				797-H3
Garden Grove		46	60	1/6/2000	sw,sm	798-F4
Garden Grove		10	20	2/14/2000		797-G4

NOTE: An "X" shown in the Groundwater Depth (GWD) column indicates that groundwater was not encountered at the total depth drilled.

SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Garden Grove	FX-9 Wells	25	35	3/17/2000	SM	798-J6
Garden Grove		30	40	4/27/2000		799-A6
Garden Grove		15		3/30/1998		797-G4
Garden Grove		10				797-E4
Gardena		25	75	4/6/2004		733-H3
Gardena		23	75	4/12/2004		733-J3
Gardena		64				733-G6
Gardena		25	33	1/11/2000	SM	733-J3
Gardena		33				733-J4
Gardena		21	48	4/10/2008		LA 733-H5
Glendale		173				564-F4
Glendale		65	91	2/16/2004		563-J1
Glendale		35	50	5/17/2000	SW/SM	594-J5
Glendale		44				563-J2
Glendale		45	58	11/26/2003		
Glendale		48		3/9/1998		563-J2
Glendora		30				569-J6
Goleta		75	120	8/11/2003		
Goleta		165	180	8/18/2003		
Goleta		4	10	3/30/2004		994-B2 SBA
Goleta		20	45	5/12/2000		994-A2 SBA
Goleta		17	26	1/21/2000	SM/CL	994-G2 SBA
Goleta		33		5/5/1999		994-D1 SBA
Goleta		8	42	2/13/2008		SB 994-A2
Hacienda Heights		18	25	4/11/2000		678-B4
Hacienda Heights		140				678-B6
Hacienda Heights		108				678-C2
Hawaiin Gardens		9	50			
Hawaiin Gardens		8	30	5/24/2000	SM/CL	766-J6
Hawthorne		104	115	4/13/2004		733-D4
Hawthorne		86				733-F2
Hawthorne		38				733-F1
Hawthorne		70	85	4/25/2000	SM	733-B3
Hawthorne		129				703-C7
Hemet		12	25	2/17/2004		
Hollywood		20	35	3/22/2000	SM/CL	593-E6
Hollywood		17	30	5/4/2004		
Hollywood		37				594-A4
Hollywood		20				593-E5
Hollywood		22		7/28/1998		593-E5

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SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Huntington Beach	FX-9 Wells	15	25	3/9/2004		
Huntington Beach		7	20	5/14/2003		
Huntington Beach		8		6/15/1998		828-A5
Huntington Beach		40	40	4/6/2000	SW/SM	858-A3
Huntington Beach		10				827-G4
Huntington Beach		7	35	1/2/2003	SM	827-G4
Huntington Beach		10	35	10/20/2003		
Huntington Beach		18				827-D6
Huntington Beach		15		7/2/1998		858-E4
Huntington Beach		12	26	3/10/2000	SM/CL	827-H5
Huntington Beach		72				858-A4
Huntington Beach		14				857-H1
Huntington Beach		10				827-H1
Huntington Beach		10	25	4/18/2000	SM	858-C6
Huntington Beach		11		1/26/1999		857-H5
Huntington Beach		12		1/8/1999		857-E5
Huntington Beach		107		6/18/1998		857-H4
Huntington Beach		38				857-J2
Huntington Beach		20	26	3/21/2000	SM/CL	828-B7
Huntington Park		125	145	2/19/2004		
Huntington Park		89				674-J6
Indio		5.4	50	3/1/2007		
Indio		62		7/6/1998		5470-D2 RIV
Indio		12.3	50	3/1/2007		5410-E6 RIV
Industry		18	20	4/29/2003		
Industry		39				677-A2
Industry		27		7/23/1998		637-J6
Industry		19				638-A6
Industry		38		4/29/1998		638-A6
Industry		70		5/10/1999		637-J2
Industry		26				678-G3
Industry		25				678-G2
Industry		22				678-H4
Industry		14		3/15/1999		678-B1
Industry		12				638-C7
Inglewood		85				703-C4
Inglewood		228				703-F2
Irvine		15				859-H3
Irvine		25	40			
Irvine		75	98			

NOTE: An "X" shown in the Groundwater Depth (GWD) column indicates that groundwater was not encountered at the total depth drilled.

SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Irvine	FX-9 Wells	0				889-G2
Irvine		0	50	4/10/2000		891-C3
Irvine		0		6/25/1998		859-J1
Irvine		20				859-H3
Irvine		25				860-A5
Irvine		0		12/23/1998		891-C4
Irvine		0	50	4/19/2007		891-B3 OC
Irvine		88				859-G7
Irvine		85				859-H6
Irvine		70	80	5/1/2003		
Irvine		0				891-D5
Irvine		80				861-A5
Irvine		80	49	9/15/2003		
Irvine		85	50	2/10/2004		
Irvine		15		2/17/1999		860-G1
Irvine		20		4/17/1999		859-H6
Irvine		08				859-G6
Irvine		10				860-B2
La Habra		25	30	1/17/2000	CL	708-G6
La Habra		40	63	1/8/2003		708-G5
La Habra		22		4/23/1999		708-E5
La Habra		15	31	3/30/2000	GP/CL	708-E6
La Mirada		6				737-E6
La Mirada		51				737-J3
La Mirada		75	90	2/2/2000	SM/SW	737-J1
La Puente		08				638-D5
La Quinta		37				214-E2 RIV
La Sierra		10	25	3/13/2000	GP/SW	714-F3 RIV
Laguna Beach		14	20	12/29/1999	SM/CL	951-A6
Laguna Beach		70	85	3/29/2004		971-D2
Laguna Niguel		7	30	11/19/2003		
Laguna Niguel		20		7/13/1998		951-F5
Lake Elsinore		12	15	4/6/2000		835-F4 RIV
Lake Elsinore		33	50	4/28/2000		866-A3 RIV
Lake Forest		28	30	10/13/2003		
Lakewood		10	20	6/11/2003		
Lakewood		60				765-H6
Lakewood		35				766-C4
Lakewood		73				766-H6
Lakewood		9				767-A5

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SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Lakewood	FX-9 Wells	45	62	4/26/2000	SM	766-D6
Lakewood		93				766-F6
Lancaster		213				4015-G5
Lawndale		49				733-C7
Lawndale		15		3/6/1998		733-C6
Lawndale		19		12/23/1997		733-C5
Lawndale		23		3/11/1998		733-C6
Lemon Grove		6	20	4/12/2004		
Lomita		85				793-J4
Lomita		190		1/6/1998		793-G5
Lompoc		15	35	3/22/2000	GP/CL	916-E2 SBA
Lompoc		35		6/29/1998		916-C1 SBA
Long Beach		50	65	2/4/2000	SM	795-E2
Long Beach		23	32	10/28/2003		
Long Beach		4				795-B6
Long Beach		8	15	3/20/2000	SM/CL	795-A5
Long Beach		18	35	7/1/2003		
Long Beach		19				735-G6
Long Beach		44	56	12/5/2003		
Long Beach		19				765-J1
Long Beach		20	43	6/26/2003		
Long Beach		N/A	45	4/2/2004		795-J3
Long Beach		15	35	12/24/2003		
Long Beach		40				765-D7
Long Beach		35				795-D7
Long Beach		60				795-J7
Long Beach		20				765-G2
Long Beach		38	40	12/1/2003		
Long Beach		38	55	2/5/2004		
Long Beach		35	50	5/9/2000	SM	795-D7
Long Beach		12				795-B6
Long Beach		12	70	10/1/2003		
Long Beach		34				795-F6
Long Beach		20				735-G7
Long Beach		17	75	10/15/2007		
Long Beach		35				765-E2
Long Beach		18		4/15/1999		796-C3
Long Beach		15				765-G1
Long Beach		27	40	3/23/2000	SM/CL	765-G2
Long Beach		70				765-G6

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SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Long Beach	FX-9 Wells	21	30	8/18/2003		
Long Beach		17				795-A6
Long Beach		35	45	12/23/2003	SM	765-H6
Long Beach		27				765-H1
Long Beach		19				735-H6
Long Beach		20				796-A5
Long Beach		16	60	6/23/2003		
Long Beach		17		5/12/1997		825-B1
Long Beach		28				796-A4
Long Beach		27		4/2/1998		796-A3
Long Beach		60				795-D2
Long Beach		56	67	7/18/2003		
Long Beach		20		2/26/1999		795-D3
Long Beach		28	50	1/6/2009		
Long Beach		35				765-F2
Long Beach		8				796-C7
Long Beach		20				765-A7
Long Beach		20				825-C1
Long Beach		28				765-H2
Long Beach		33				796-D2
Long Beach		11				795-A6
Long Beach		35				795-D6
Long Beach		30				795-A5
Long Beach		5 to 13	110	4/25/2008		
Long Beach		5	40	7/20/2007		795-A4 LA
Long Beach		18		1/31/1998		795-A3
Los Alamitos		21	40	1/14/2004		
Los Alamitos		12	12	1/14/2004		
Los Alamitos		14		5/11/1999		796-J3
Los Alamitos		8	80	1/19/2000	SM	797-B3
Los Alamitos		16				796-J2
Los Angeles		35		3/17/1998		634-F2
Los Angeles		23	30	7/29/2003		
Los Angeles		55	60	4/14/2003		
Los Angeles		56				734-C2
Los Angeles		7				673-H5
Los Angeles		70				763-J3
Los Angeles		60		1/18/1999		764-A4
Los Angeles		50	65	1/3/2000	SM	564-G4
Los Angeles		52	65	5/10/2004		632-A6

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SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Los Angeles	FX-9 Wells	45	50	12/9/2003		
Los Angeles		30	55	4/6/2004		594-F2
Los Angeles		38				594-F1
Los Angeles		35				634-E3
Los Angeles		22	30	11/12/2003		
Los Angeles		30	50	1/15/2003		635-C2
Los Angeles		12				633-C2
Los Angeles		35				594-A7
Los Angeles		13				633-B2
Los Angeles		20	25	4/23/2003		
Los Angeles		33	35	5/11/2000	SW/SM	632-A2
Los Angeles		30	45	2/2/2000		634-H2
Los Angeles		100	105	6/2/2003		
Los Angeles		17				631-H5
Los Angeles		15		2/6/1998		824-D1
Los Angeles		10		5/7/1999		672-G6
Los Angeles		37		2/9/1998		704-C4
Los Angeles		105				702-G5
Los Angeles		65	75	12/23/2002	SM	635-B1
Los Angeles		50				734-A1
Los Angeles		50				673-J7
Los Angeles		39		12/15/1997		594-F2
Los Angeles		25				633-C2
Los Angeles		43				704-H7
Los Angeles		20				672-F7
Los Angeles		12				632-J1
Los Angeles		51		3/30/1998		703-A5
Los Angeles		16				594-D1
Los Angeles		25				594-A2
Los Angeles		65	125	3/20/2000	SM	734-C3
Los Angeles		14				593-E7
Los Angeles		38				634-H1
Los Angeles		31		1/26/1998		632-H7
Los Angeles		95		1/27/1998		632-D7
Los Angeles		70		3/15/1999		764-A4
Los Angeles		110	130	11/24/2003		675-G1
Los Angeles		75		1/12/1998		672-B3
Los Angeles		50	71	7/21/2003		
Los Angeles		40		5/6/1999		632-H6
Los Angeles		30				672-G6

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SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Los Angeles	FX-9 Wells	25				594-B7
Los Angeles		144		12/28/1998		674-E5
Los Angeles		10				635-C2
Los Angeles		16				594-E7
Los Angeles		45		8/3/1998		672-D2
Los Angeles		40	43	6/9/2003		
Los Angeles		25				633-A6
Los Angeles		61		3/6/1998		672-F2
Los Angeles		60		12/19/1997		764-B2
Los Angeles		40				704-A6
Los Angeles		15	50	2/20/2004		
Los Angeles		50	55	6/25/2003		
Los Angeles		16		3/5/1998		633-H1
Los Angeles		8				634-D4
Los Angeles		10	30	4/17/2000	SM/CL	595-B1
Los Angeles		8		6/23/1998		594-J1
Los Osos		25	80	1/6/2004		
Lynwood		30	50	12/8/2003		
Lynwood		49				705-A6
Lynwood		45	61	5/5/2003		
Lynwood		25	35	2/3/2000	SM/CL	705-B6
Malibu		7				629-C6
Malibu		13	45	12/27/2002	SW/SM	628-J7
Manhattan Beach		62				732-J5
Manhattan Beach		79				732-J4
Manhattan Beach		113				732-H6
Marina Del Rey		15		6/19/1998		672-B7
Midway		9	20	4/30/2003		
Mission Viejo		25	30	3/29/2000		922-C2
Mission Viejo		63	85	4/20/2004		922-C7
Mission Viejo		20	60	1/18/2000	SW/GP	952-G6
Montebello		118				676-B7
Montebello		241				676-E1
Monterey Park		223				635-J5
Moreno Valley		83	100	5/10/2004		717-C2
Moreno Valley		10	56	4/10/2000		688-F2 RIV
Murrieta		26		4/24/1998		928-B3 RIV
Murrieta		10	70	5/15/2003		
National City		10		12/21/1998		1309-G4 SD
Newhall		116				4640-F1

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SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Newport Beach	FX-9 Wells	10	50	10/28/2003		
Newport Beach		20				919-E1
Newport Beach		15	35	5/10/2000	CL	889-A5
Newport Beach		45				889-E5
Newport Beach		13				889-B7
Newport Beach		70				889-C7
North Hollywood		140	140	3/1/2004		
North Hollywood		21	100	4/15/2004		562-J3
Northridge		62	67	1/12/2000	SM	500-J7
Northridge		62		11/2/2002	SM	500-J7
Northridge		42	80	10/25/2007		
Norwalk		67	70	11/17/2003		
Norwalk		45	60	5/13/2003		
Norwalk		27	30	9/23/2003		
Norwalk		82				736-G1
Norwalk		45		7/27/1998		736-H3
Norwalk		27	50	6/29/2007		737-H4 LA
Norwalk		20		4/16/1999		736-J4
Norwalk		48	106	2/28/2000	SM	736-J2
Oakview		23	26	11/11/2003		
Oceanside		10	45	2/6/2004		
Oceanside		13	21	3/15/2000	SM/CL	1086- G3 SD
Oceanside		13	25	12/10/2003		
Oceanside		12	30	3/17/2000	SM/CL	1023-D3
Orange		40		4/20/1999		799-C5
Oro Grande		30				306-A3 SBD
Oxnard		6	10	5/4/2004		
Oxnard		20	50	4/27/2004		
Oxnard		35	53	4/22/2003		
Oxnard		30	100	3/23/2000	GP/SW	492-J6 VEN
Oxnard		7	25	1/16/2003		552-E2 VEN
Oxnard		30	80	7/1/2008		VEN 522-j3
Palmdale		75				4195-J7
Paramount		25	115	3/1/2004		
Paramount		20	60	8/26/2003		
Paramount		32				735-H3
Pasadena		43				566-A3
Pasadena		53				565-H7
Paso Robles		22	40	6/30/2003		
Paso Robles		16	40	1/26/2004		

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SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Paso Robles	FX-9 Wells	21	40	12/15/2003		513-G3
Pemaco		75	90	7/29/2003		
Perris		16		3/18/1999		807-G7 RIV
Perris		67	85	1/14/2004		
Placentia		115	115	12/2/2003		
Placentia		115	145	10/30/2003		
Placentia		110		4/3/1998		769-D2
Placentia		121				739-E4
Placentia		52	80	2/5/2007		739-H4
Playa Del Rey		4	70	5/7/2008		LA 702-B2
Playa Vista		10	25	4/15/2004		
Playa Vista		8	60	4/24/2000	SM/CL	672-G6
Point Magu		5	32	1/28/2004		
Pomona		14				600-J4
Pomona		5				640-D4
Pomona		11				640-D1
Pomona		21	30	7/22/2003		
Pomona		51				600-J6
Pomona		35		6/30/1998		640-C4
Port Hueneme		7	25	12/11/2003		
Port Of Long Beach		9	14	1/21/2000	SM	824-G3
Rancho Dominguez		46	85	5/5/2003		
Rancho Dominguez		43	43	5/12/2003		
Rancho Dominguez		40		3/13/1998		765-B3
Rancho Dominguez		47	50	9/22/2003		
Rancho Dominguez		30		6/3/1998		765-B2
Rancho Dominguez		50		12/22/1998		765-C2
Rancho Dominguez		40	50	3/16/2000	SM	765-B1
Reseda		25				530-H5
Reseda		18				530-G7
Ribidoux		7	60	3/6/2007		
Ridgecrest		43	55	4/26/2004		
Ridgecrest		80	110	3/1/2004		
Ridgecrest		95	120	8/19/2003		
Riverside		45	80	4/22/2004		
Riverside		51	55	1/19/2004		
Riverside		75	100	2/2/2004		
Riverside		35	40	10/14/2003		
Riverside		45	65	5/13/2000		684-H7
Riverside		13	20	9/24/2003		

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SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Riverside	FX-9 Wells	78		1/19/1999		715-F2 RIV
Riverside		45		3/18/1999		685-J2 RIV
Riverside		10		7/1/1998		714-E2 RIV
Rowland Heights		20	45	2/2/2004		
Rowland Heights		17				679-A5
Rowland Heights		21				679-B5
S. El Monte		17		2/25/1998		637-C5
San Bernardino		23	30	11/5/2003		606-J6
San Bernardino		20	35	9/16/2003		606-J6
San Bernardino		55		12/28/1998		606-F2
San Clemente		25	35	1/20/2000		993-B6
San Diego		11	20	1/28/2004		
San Diego		17	40	2/25/2004		
San Diego		14	21	5/7/2007		1289-C4 SD
San Diego		18	80	1/5/2007		1289-A4 SD
San Diego		4	20	1/30/2004		
San Diego		45	61	7/21/2008		SD 1229-A7, B7, C7
San Diego		50		4/1/1999		1248-G2 SD
San Diego		15	40	10/15/2003		
San Diego		10		4/3/1998		1288-J2 SD
San Diego		11	18	7/25/2003		
San Diego		74	100	12/9/2003		
San Diego		12	105	10/17/2007		
San Diego		7				1268-H7 SD
San Dimas		216				600-A2
San Gabriel		45	50	11/17/2003		636-E4
San Jacinto		16	50	1/5/2004		
San Juan Capistrano		35	85	1/9/2007		952-G6 OC
San Juan Capistrano		32		3/11/1999		972-D1
San Luis Obispo		14	18	1/20/2000	SW/GP	633-C5 SLO
San Luis Obispo		15	100	4/5/2004		734-J3 SLO
San Pedro		65				794-A7
San Pedro		35	40	1/12/2000	SM	824-B2
San Pedro		5	30	8/18/2003		
San Pedro		45		6/26/1998		824-B4
Santa Ana		60	125	6/23/2003		
Santa Ana		7	20	2/22/2004		
Santa Ana		7	19	2/2/2000	CL	859-D1
Santa Ana		6	20	8/28/2003		
Santa Ana		7	20	5/24/2000	SM/CL	859-A2

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SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
	FX-9 Wells					
Santa Ana		20	35	5/15/2003		
Santa Ana		23	60	3/31/2000	SM	829-D3
Santa Ana		5				829-D7
Santa Ana		15		2/16/1998		859-G2
Santa Ana		16	30	1/7/2000	GP/SM	829-G6
Santa Ana		30	68	12/22/2008		OC 829-G6
Santa Ana		17				829-A3
Santa Ana		11	26	3/23/2000	SM/CL	859-A3
Santa Ana		23	40	7/16/2003		
Santa Ana		10				829-E7
Santa Ana		11		4/25/1998		859-F2
Santa Ana		20	30	12/18/2003		
Santa Barbara		10	25	4/29/2004		
Santa Barbara		20	36	4/21/2003		
Santa Barbara		15	30	10/27/2003		
Santa Barbara		19	40	11/17/2003		
Santa Barbara		22	49	3/8/2004		
Santa Barbara		30	35	1/26/2004		
Santa Barbara		9	30	9/18/2003		996-B4
Santa Barbara		14	30	10/6/2003		996-B4
Santa Barbara		25	31	9/17/2003		
Santa Barbara		22	30	11/24/2003		
Santa Barbara		2	20	1/14/2000	CL	996-B3 SBA
Santa Barbara		8	30	3/24/2000	GP/SW	996-C4 SBA
Santa Clarita		25		5/19/2003		
Santa Clarita		35	65	8/25/2003		
Santa Clarita		94	115	8/25/2003		
Santa Clarita		95	95	5/14/2003		
Santa Fe Springs		45		9/22/2003		
Santa Fe Springs		29				707-B4
Santa Fe Springs		16				737-C4
Santa Fe Springs		77				737-J1
Santa Fe Springs		105		1/21/1998		737-B1
Santa Fe Springs		101		1/20/1998		707-B6
Santa Fe Springs		78				707-A5
Santa Fe Springs		22				706-G4
Santa Fe Springs		75				707-B4
Santa Fe Springs		38				707-A1
Santa Maria		110	120	7/7/2003		
Santa Monica		50	50	10/1/2003		

NOTE: An "X" shown in the Groundwater Depth (GWD) column indicates that groundwater was not encountered at the total depth drilled.

SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Saugus	FX-9 Wells	32				4551-F3
Saugus		20				4550-J1
Seal Beach		5				826-G5
Seal Beach		6	20	3/29/2004		826-F4
Seal Beach		7	25	10/20/2003		
Seal Beach		8	20	3/27/2000	SM	826-F4
Seal Beach		40	45	4/4/2000	SW/SM	826-H2
Sherman Oaks		43	60	5/12/2004		561-H2
Signal Hill		105				795-J3
Simi Valley		15	26	4/29/2003		
Simi Valley		82	92	1/2/2003	SM/CL	498-C1 VEN
Simi Valley		8	20	4/11/2000	GP	478-B6 VEN
Simi Valley		18		2/15/1999		497-H2 VEN
Simi Valley		50	80	7/9/2007		
South El Monte		45				637-A3
South El Monte		17		2/25/1998		637-C5
South Gate		15				705-D3
South Gate		65	65	3/29/2004		705-E6
South Gate		45	65	3/31/2004		705-E6
South Gate		53	60	5/17/2004		705-E2
South Gate		48	78	10/22/2003		
South Gate		45	134	12/8/2003		
South Gate		30		5/13/1999		705-E5
South Gate		35	191	5/27/2003		
South Gate		35	50	4/20/2000	SM	705-F4
South Gate		75				705-B3
Spring Valley		8	15	3/29/2000		1271-D5 SD
Spring Valley		10		3/23/1999		1271-C5 SD
Stanta Ana		15	70	12/10/2003		859-F3
Stanton		12				797-J6
Stanton		12	30	9/21/2007		
Studio City		100	105	4/21/2000	SM	562-F3
Studio City		8		6/16/1998		563-D7
Studio City		20				562-E5
Studio City		28	30	5/21/2004		562-F5
Summerland		12	25	1/12/2004		
Sunset Beach		6	50	3/2/2004		
Temecula		12	62	6/16/2003		
Temecula		13	45	9/15/2003		
Temecula		25	37	11/10/2003		

NOTE: An "X" shown in the Groundwater Depth (GWD) column indicates that groundwater was not encountered at the total depth drilled.

SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Temecula	FX-9 Wells	20	45	5/2/2003		
Terminal Island		12				824-F3
Thousand Oaks		18	25	5/28/2003		
Thousand Oaks		30	35	1/5/2004		
Thousand Oaks		N/A	367	1/19/2004		
Torrance		98	115	4/1/2004		763-G7
Torrance		37		2/23/1999		763-G1
Torrance		29		2/23/1999		763-F3
Torrance		95	106	1/8/2004		763-F3
Torrance		71	84	5/20/2004		763-F3
Torrance		45	50	3/29/2004		763-F3
Torrance		78	83	3/29/2004		763-F3
Torrance		75	75	3/31/2004		763-F3
Torrance		68	76	4/12/2004		763-F3
Torrance		70		2/2/1999		763-J2
Torrance		77	80	3/1/2004		
Torrance		25				763-G6
Torrance		80				763-J7
Torrance		12	25	2/12/2004		
Torrance		48		2/11/1998		763-D3
Torrance		38	60	11/17/2008		
Torrance		85		6/30/1998		793-F3
Torrance		80	90	8/7/2003		
Torrance		110		3/11/1998		763-E4
Torrance		105	105	4/5/2004		763-F5
Torrance		108	115	4/2/2004		763-F5
Torrance		15				733-F7
Tustin		44	55	5/3/2004		
Tustin		23	30	12/30/1999	SM/CL	860-A1
Valencia		17	30	10/27/2003		
Valencia		39	40	5/4/2000	SW/GP	4460-D6
Van Nuys		89				561-H1
Van Nuys		215				531-G2
Venice		12				672-A6
Venice		20	26	4/3/2000	SM/CL	672-A5
Ventura		20	40	9/25/2003		
Ventura		10	35	4/30/2004		
Ventura		40				492-F3
Ventura		15	30	11/14/2003		
Vernon		43	50	10/29/2003		

NOTE: An "X" shown in the Groundwater Depth (GWD) column indicates that groundwater was not encountered at the total depth drilled.

SOUTHERN CALIFORNIA GROUNDWATER DEPTH CHART

CITY	ADDRESS/LOCATION	GWD	TOTAL DEPTH	DATE	SOIL TYPE	THOMAS GUIDE
Vernon	FX-9 Wells	30				675-D4
Vernon		40				674-J4
Vernon		20				675-B2
Visalia		75	135	4/26/2004		
W. Los Angeles		55	65	5/4/2004		
Walnut		20	25	4/17/2000	SM	679-G1
Walnut		18	40	10/30/2003		
Watts		50	55	12/9/2003		
Watts		60	65	4/15/2003		
West Covina		28				638-G5
West Hollywood		24	125	8/19/2008		LA 592-H7
West Hollywood		40		5/11/1999		592-H6
Westlake Village		12	25	2/14/2000	CL	557-E6
Westminster		14	31	8/28/2003		
Westminster		15		3/9/2004		
Westminster		20				827-G3
Westminster		14	60	3/17/2000	SM/CL	827-G3
Whittier		42	60	7/7/2003		
Whittier		29				707-A1
Whittier		N/A	100	4/8/2004		677-B7
Whittier		33				707-E2
Whittier		30				676-J3
Whittier		95				677-A4
Wilmington		35				794-H5
Wilmington		9	12	4/28/2004		
Wilmington		15				794-J3
Wilmington		37	70	10/13/2003		
Wilmington		12				794-J6
Wilmington		10				794-J5
Wilmington		11				794-H7
Wilmington		4				794-G6
Wilmington		5				824-H2
Yorba Linda		68				740-B4
Yorba Linda		26	65	4/16/2004		740-F3
Yorba Linda		18	65	4/16/2004		740-F3

The depth to groundwater and soil type data contained in these tables are provided by Gregg Drilling & Testing, Inc. as a courtesy to our clients and the general public. PLEASE BE ADVISED THAT THE GROUNDWATER DEPTH AND SOIL TYPE DATA ARE BASED SOLELY ON VISUAL OBSERVATIONS DURING DRILLING AND ARE ONLY APPROXIMATE AT BEST. WE DO NOT GUARANTEE THE ACCURACY OF THESE DATA AND USE OF THIS INFORMATION IS AT USER'S OWN RISK. If you should find significantly different site conditions at a nearby location please e-mail us.

NOTE: An "X" shown in the Groundwater Depth (GWD) column indicates that groundwater was not encountered at the total depth drilled.

LADEH 2010

**Los Angeles County, Department of Environmental Health, Letter to
Fitzgerald, Tara, Weston Solutions, Inc., Re: Subject: Public Files Request,
May 24, 2010**



Weston Solutions, Inc.
6th Floor, Unit B
428 Thirteenth Street
Oakland, CA 94612
510-788-3800 • Fax 510-891-9710
www.westonsolutions.com

The Trusted Integrator for Sustainable Solutions

RECEIVED
MAY 24 2010

5/25/10

May 20, 2010

Public Health Investigation
Administration

Public Health Investigation (PHI)
Custodian of Records
5555 Ferguson Drive, Suite 120-04
Commerce, CA 90022

Subject: Public Files Request

To Whom It May Concern:

I am completing Preliminary Assessments report for the EPA Region 9 for four sites located in the City of Vernon. I would like to request any public files the LA County Fire Department has concerning the following businesses/addresses:

Globe Union Incorporated
5015 District Blvd.
Vernon, CA 90058
EPA ID: CAN000908578

NI Industries
4900 S. BOYLE AVENUE VERNON, CA
90058
EPA ID: CASFN0905435

Modern Pattern & Foundry Co, Inc. (MP)
5610 ALCOA AVENUE
VERNON, CA 90058
EPA ID: CAD982025488

Stauffer Chem Co
3250-3294 E 25TH ST
VERNON, CA 90058
EPA ID: CAD982360166

Please contact me with any questions concerning this request.

Sincerely,

Tara Fitzgerald
Associate Project Scientist
Weston Solutions, Inc.
428 Thirteenth St.
6th Floor, Suite B
Oakland, CA 94612
Tara.Fitzgerald@westonsolutions.com

Date: 5/25/10

Attn: Tara Fitzgerald

We prefer only one street of address per request. If the site address on the same street then you could have five street number of the same street on one request. Range addresses always need to be on one request. Please re-fax your request.

We do not process
VERNON. SEE ATTACHED

an employee-owned company

1

**COUNTY OF LOS ANGELES
Public Health**

Public Health Investigations

JONATHAN E. FIELDING, M.D., M.P.H.
Director and Health OfficerJONATHAN E. FREEDMAN
Chief DeputyLEOLA MERCADEL
Chief, Public Health Investigation5555 Ferguson Drive, Suite 120-04
Commerce, California 90022
TEL (323) 890-7801 • FAX (323) 728-0217

www.publichealth.lacounty.gov



BOARD OF SUPERVISORS

Gloria Molina
First District
Mark Ridley-Thomas
Second District
Zev Yaroslavsky
Third District
Don Knabe
Fourth District
Michael D. Antonovich
Fifth District*Sample*

Date

Dear Client:

Per your request for site Enter Site Address, the following Cities within Los Angeles County have their own Hazardous Material Program and should be contacted regarding hazardous material matters:

☒ EL SEGUNDO FIRE DEPARTMENT
STEVE TSUMURA
314 Main Street
El Segundo, CA 90245
(310) 524-2242 / FAX (310) 414-0929☐ SANTA FE SPRINGS FIRE DEPARTMENT
JANET ORTIZ or ALEX RODRIGUEZ
11300 Greenstone Ave.
Santa Fe Springs, Ca 90670
(562) 944-9713 / FAX (562) 941-1817☐ GLENDALE FIRE DEPARTMENT
VASKEN DEMIRJIAN
780 Flower Street
Glendale, CA 91201
(818) 548-4030 / FAX (818) 549-9777☐ VERNON HEALTH DEPARTMENT
LEWIS POZZEBON
4305 Santa Fe Avenue
Vernon, CA 90058
(323) 583-8811 x229 / FAX (323) 588-4320☐ LONG BEACH HEALTH DEPARTMENT
NELSON KERR
2525 Grand Avenue
Long Beach, CA 90815
(562) 570-4131, FAX (562) 570-4038

Should you have any questions regarding this, please do not hesitate to call us at (323) 890-7806.

Very truly yours,

PHI, Deputy Health Officer
Public Health Investigation
Custodian of Records

H-

HAZMAT2 - Not Our District Form
Revised 9/16/08

RWQCB 2009

**California Environmental Protection Agency, Los Angeles Regional Water
Quality Control Board, Modern Pattern & Foundry Co. Inc., 2008-2009
Annual Report, June 18, 2009**

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
2008-2009 ANNUAL REPORT
FOR STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

V.U.
S.W. data entered
2/2/2010

Reporting Period July 1, 2008 through June 30, 2009

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers, and e-mail addresses of the Regional Board contacts, as well as the Regional Board Offices addresses are indicated below.

REGIONAL BOARD INFORMATION:

Los Angeles Region
320 W.4th Street, Ste.200
Los Angeles, CA 90013

Contact: Harumi Goya
Tel: (213) 620-2283
Email: hgoya@waterboards.ca.gov

GENERAL INFORMATION

A. Facility Information:

Modern Pattern & Foundry Co
5610 Alcoa Ave
Vernon, CA 90058
WDID No: 4 191010685

✓ cf

Facility Contact: Meckel Roland B
Email:
Phone: 3235834921

1/5/20/1993

SIC Code(s):

3325 Steel Foundries, NEC
3365 Aluminum Foundries

B. Facility Operator Information:

Modern Pattern & Foundry Co
5610 Alcoa Ave
Vernon, CA 90058

Operator Contact: Roland B Meckel
Email:
Phone: 323-583-4921

C. Facility Billing Information:

Modern Pattern & Foundry Co
5610 Alcoa Ave
Vernon, CA 90058

Billing Contact: Roland B Meckel
Email:
Phone: 323-583-4921

Additional Table D Parameters: Al,Cu,Fe,Zn,Cu,Zn

5/2/09

2008-2009
ANNUAL REPORT
SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D. SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

1. For the reporting period, was your facility exempt from collecting and analyzing samples from **two** storm events in accordance with sections B.12 or 15 of the General Permit?



YES

Go to Item D.2



NO

Go to Section E

2. Indicate the reason your facility is exempt from collecting and analyzing samples from **two** storm events. Attach a copy of the first page of the appropriate certification if you check boxes ii, iii, iv, or v.



Participating in an Approved Group Monitoring Plan

Group Name: Metal Casting Storm

Water Group



Submitted **No Exposure Certification (NEC)**

Date Submitted: _____

Re-evaluation Date: _____

Does facility continue to satisfy NEC conditions?



YES



NO



Submitted **Sampling Reduction Certification (SRC)**

Date Submitted: _____

Re-evaluation Date: _____

Does facility continue to satisfy SRC conditions?



YES



NO



Received Regional Board Certification

Certification Date: _____



Received Local Agency Certification

Certification Date: _____

3. If you checked boxes i or iii above, were you scheduled to sample **one** storm event during the reporting year?



YES

Go to Section E



NO

Go to Section F

4. If you checked boxes ii, iv, or v, go to Section F.

E. SAMPLING AND ANALYSIS RESULTS

1. How many storm events did you sample? 1

If less than 2, **attach explanation** (if you checked item D.2.i or iii. above, only attach explanation if you answer "0").

2. Did you collect storm water samples from the first storm of the wet season that produced a discharge during scheduled facility operating hours? (Section B.5 of the General Permit)



YES



NO, attach explanation (Please note that if you do not sample the first storm event, you are still required to sample 2 storm events)

3. How many storm water discharge locations are at your facility? 4

4. For each storm event sampled, did you collect and analyze a sample from each of the facility's storm water discharge locations? ☐ YES, go to Item E.6 ☒ NO
5. Was sample collection or analysis reduced in accordance with Section B.7.d of the General Permit? ☒ YES ☐ NO, **attach explanation**
- If "YES", **attach documentation** supporting your determination that two or more drainage areas are substantially identical.
- Date facility's drainage areas were last evaluated 6-5-2009
6. Were all samples collected during the first hour of discharge? ☒ YES ☐ NO, **attach explanation**
7. Was all storm water sampling preceded by three (3) working days without a storm water discharge? ☒ YES ☐ NO, **attach explanation**
8. Were there any discharges of stormwater that had been temporarily stored or contained? (such as from a pond) ☐ YES ☒ NO, go to Item E.10
9. Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events? (or one storm event if you checked item D.2.i or iii. above) ☒ YES ☐ NO, **attach explanation**
10. Section B.5. of the General Permit requires you to analyze storm water samples for pH, Total Suspended Solids (TSS), Specific Conductance (SC), Total Organic Carbon (TOC) or Oil and Grease (O&G), other pollutants likely to be present in storm water discharges in significant quantities, and analytical parameters listed in Table D of the General Permit.
- a. Does Table D contain any additional parameters related to your facility's SIC code(s)? ☒ YES ☐ NO, Go to Item E.11
- b. Did you analyze all storm water samples for the applicable parameters listed in Table D? ☒ YES ☐ NO
- c. If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:
- _____ In prior sampling years, the parameter(s) have not been detected in significant quantities from two consecutive sampling events. **Attach explanation**
- _____ The parameter(s) is not likely to be present in storm water discharges and authorized non-storm water discharges in significant quantities based upon the facility operator's evaluation. **Attach explanation**
- _____ Other. **Attach explanation**
11. For each storm event sampled, attach a copy of the laboratory analytical reports and report the sampling and analysis results using **Form 1** or its equivalent. The following must be provided for each sample collected:
- Date and time of sample collection
 - Name and title of sampler.
 - Parameters tested.
 - Name of analytical testing laboratory.
 - Discharge location identification.
 - Testing results.
 - Test methods used.
 - Test detection limits.
 - Date of testing.
 - Copies of the laboratory analytical results.

F. QUARTERLY VISUAL OBSERVATIONS

1. **Authorized Non-Storm Water Discharges**

Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources.

- a. Do authorized non-storm water discharges occur at your facility?

☐ YES ☒ NO Go to Item F.2

- b. Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. **Attach an explanation for any "NO" answers.** Indicate "N/A" for quarters without any authorized non-storm water discharges.

July -September ☐ YES ☐ NO ☐ N/A October-December ☐ YES ☐ NO ☐ N/A

January-March ☐ YES ☐ NO ☐ N/A April-June ☐ YES ☐ NO ☐ N/A

- c. Use **Form 2** to report quarterly visual observations of authorized non-storm water discharges or provide the following information.

- i. name of each authorized non-storm water discharge
- ii. date and time of observation
- iii. source and location of each authorized non-storm water discharge
- iv. characteristics of the discharge at its source and impacted drainage area/discharge location
- v. name, title, and signature of observer
- vi. **any** new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date.

2. **Unauthorized Non-Storm Water Discharges**

Section B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources.

- a. Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. **Attach an explanation for any "NO" answers.**

July -September ☒ YES ☐ NO October-December ☒ YES ☐ NO

January-March ☒ YES ☐ NO April-June ☒ YES ☐ NO

- b. Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?

☐ YES ☒ NO Go to item F.2.d

- c. Have each of the unauthorized non-storm water discharges been eliminated or permitted?

☐ YES ☐ NO **Attach explanation**

- d. Use **Form 3** to report quarterly unauthorized non-storm water discharge visual observations or provide the following information.

- i. name of each unauthorized non-storm water discharge.
- ii. date and time of observation.
- iii. source and location of each unauthorized non-storm water discharge.
- iv. characteristics of the discharge at its source and impacted drainage area/discharge location.
- v. name, title, and signature of observer.
- vi. **any** corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. **Attach an explanation for any "NO" answers.** Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

October	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	February	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
November	<input checked="" type="checkbox"/>	<input type="checkbox"/>	March	<input checked="" type="checkbox"/>	<input type="checkbox"/>
December	<input checked="" type="checkbox"/>	<input type="checkbox"/>	April	<input checked="" type="checkbox"/>	<input type="checkbox"/>
January	<input checked="" type="checkbox"/>	<input type="checkbox"/>	May	<input checked="" type="checkbox"/>	<input type="checkbox"/>

2. Report monthly wet season visual observations using **Form 4** or provide the following information.

- a. date, time, and location of observation
- b. name and title of observer
- c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed.
- d. **any** new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall be revised and implemented, as necessary, within 90 days of the evaluation. The checklist below includes the minimum steps necessary to complete a ACSCE. Indicate whether you have performed each step below. **Attach an explanation for any "NO" answers.**

1. Have you inspected all potential pollutant sources and industrial activities areas? ☒ YES ☐ NO
The following areas should be inspected:
 - areas where spills and leaks have occurred during the last year.
 - outdoor wash and rinse areas.
 - process/manufacturing areas.
 - loading, unloading, and transfer areas.
 - waste storage/disposal areas.
 - dust/particulate generating areas.
 - erosion areas.
 - building repair, remodeling, and construction
 - material storage areas
 - vehicle/equipment storage areas
 - truck parking and access areas
 - rooftop equipment areas
 - vehicle fueling/maintenance areas
 - non-storm water discharge generating areas
2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas? ☒ YES ☐ NO
3. Have you inspected the entire facility to verify that the SWPPP's site map, is up-to-date? The following site map items should be verified: ☒ YES ☐ NO
 - facility boundaries
 - outline of all storm water drainage areas
 - areas impacted by run-on
 - storm water discharges locations
 - storm water collection and conveyance system
 - structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

4. Have you reviewed all General Permit compliance records generated since the last annual evaluation?

☒ YES

☐ NO

The following records should be reviewed:

- quarterly authorized non-storm water discharge visual observations
- monthly storm water discharge visual observation
- records of spills/leaks and associated clean-up/response activities
- quarterly unauthorized non-storm water discharge visual observations
- Sampling and Analysis records
- preventative maintenance inspection and maintenance records

5. Have you reviewed the major elements of the SWPPP to assure compliance with the General Permit?

☒ YES

☐ NO

The following SWPPP items should be reviewed:

- pollution prevention team
- list of significant materials
- description of potential pollutant sources
- assessment of potential pollutant sources
- identification and description of the BMPs to be implemented for each potential pollutant source

6. Have you reviewed your SWPPP to assure that a) the BMPs are adequate in reducing or preventing pollutants in storm water discharges and authorized non-storm water discharges, and b) the BMPs are being implemented?

☒ YES

☐ NO

The following BMP categories should be reviewed:

- good housekeeping practices
- spill response
- employee training
- erosion control
- quality assurance
- preventative maintenance
- material handling and storage practices
- waste handling/storage
- structural BMPs

7. Has all material handling equipment and equipment needed to implement the SWPPP been inspected?

☒ YES

☐ NO

I. ACSCE EVALUATION REPORT

The facility operator is required to provide an evaluation report that includes:

- identification of personnel performing the evaluation
- the date(s) of the evaluation
- necessary SWPPP revisions
- schedule for implementing SWPPP revisions
- any incidents of non-compliance and the corrective actions taken.

Use **Form 5** to report the results of your evaluation or develop an equivalent form.

J. ACSCE CERTIFICATION

The facility operator is required to certify compliance with the Industrial Activities Storm Water General Permit. To certify compliance, both the SWPPP and Monitoring Program must be up to date and be fully implemented.

Based upon your ACSCE, do you certify compliance with the Industrial Activities Storm Water General Permit?

☒ YES

☐ NO

If you answered "NO" **attach an explanation** to the ACSCE Evaluation Report why you are not in compliance with the Industrial Activities Storm Water General Permit.

ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to questions 2-4 if you are not required to provide those attachments.

1. Have you attached Forms 1,2,3,4, and 5 or their equivalent? ☒ YES (Mandatory)
2. If you conducted sampling and analysis, have you attached the laboratory analytical reports? ☒ YES ☐ NO ☐ NA
3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications? ☐ YES ☐ NO ☒ NA
4. Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? ☐ YES ☐ NO ☒ NA

ANNUAL REPORT CERTIFICATION

I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES STORM WATER GENERAL PERMIT (see Standard Provision C.9) and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those person directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: John Meckel

Signature: 

Date: 6-18-09

Title: VP

2008- 2009
ANNUAL REPORT

SIDE A

FORM 1-SAMPLING & ANALYSIS RESULTS

FIRST STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLE(S): John M. Kelly TITLE: V. P. SIGNATURE: _____

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS For First Storm Event									
			BASIC PARAMETERS					OTHER PARAMETERS				
			PH	TSS	SC	O&G	TOC	Al	Cu	Pb	Zn	
D1	<u>1/22/09</u> <input checked="" type="checkbox"/> AM <u>11:30</u> <input type="checkbox"/> PM	<input checked="" type="checkbox"/> AM <u>10:30</u> <input type="checkbox"/> PM	6.76	2.8	65.8	N/D		0.100	0.012	0.190	17.0	✓
D2	<u>1/22/09</u> <input checked="" type="checkbox"/> AM <u>11:23</u> <input type="checkbox"/> PM	<input checked="" type="checkbox"/> AM <u>10:30</u> <input type="checkbox"/> PM	6.98	2.7	52.2	1.7		0.067	0.039	0.130	1.60	✓
	<u>1/1</u> <input type="checkbox"/> AM : <input type="checkbox"/> PM	: <input type="checkbox"/> AM : <input type="checkbox"/> PM										
	<u>1/1</u> <input type="checkbox"/> AM : <input type="checkbox"/> PM	: <input type="checkbox"/> AM : <input type="checkbox"/> PM										
TEST REPORTING UNITS:			pH Units	mg/l	umhol/cm	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
TEST METHOD DETECTION LIMIT:			0.05	2.0	1.00	1.5		0.028	0.0078	0.016	0.025	
TEST METHOD USED:			SM-450 HE	SM-2540 D	50A-1201	15A-146 H		15A 2007				
ANALYZED BY (SELF/LAB):			Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	

TSS - Total Suspended Solids

SC - Specific Conductance

O&G - Oil & Grease

TOC - Total Organic Carbon



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Date of Report: 02/19/2009

John Meckel

Modern Pattern & Foundry Co., Inc.

5610 Alcoa Avenue

Los Angeles, CA 90058-3793

RE: Metals Casting Group

BC Work Order: 0901031

Invoice ID: B057517

Enclosed are the results of analyses for samples received by the laboratory on 1/26/2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Natalie Serda

Client Service Rep

Authorized Signature

Ron Hayes 2117 Foothill Blvd., Suite D La Verne, CA 91750 Ron Hayes

[illegible]

Submission #: 09-1031

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☒ (Specify) CHTRAK

SHIPPING CONTAINER

Ice Chest ☒ None ☐
Box ☐ Other ☐ (Specify) _____Refrigerant: Ice ☐ Blue Ice ☐ None ☒ Other ☐ Comments:Custody Seals Ice Chest ☐ Containers ☐ None ☒ Comments:Intact? Yes ☐ No ☐Intact? Yes ☐ No ☐All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received

☒ YES☐ NOEmissivity: 0.95 Container: QTR Thermometer ID: TH103Temperature: A 14.4 °C / C 14.4 °CDate/Time 1/26/09 8:35Analyst Init NU

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL	A	A								
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS	B	B								
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
P1A PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1	C	C								
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: CIAMDate/Time: 1/26/09

A = Actual / C = Corrected

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Modem Pattern & Foundry Co., Inc.
5610 Alcoa Avenue
Los Angeles, CA 90058-3793

Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

Laboratory / Client Sample Cross Reference

Laboratory . . . Client Sample Information

0901031-01	COC Number: ---	Receive Date: 01/26/2009 08:35
	Project Number: ---	Sampling Date: 01/22/2009 11:23
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: Sample 1	Sample Matrix: Water
	Sampled By: ---	
0901031-02	COC Number: ---	Receive Date: 01/26/2009 08:35
	Project Number: ---	Sampling Date: 01/22/2009 11:23
	Sampling Location: ---	Sample Depth: ---
	Sampling Point: Sample 2	Sample Matrix: Water
	Sampled By: ---	



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Modern Pattern & Foundry Co., Inc.
5610 Alcoa Avenue
Los Angeles, CA 90058-3793

Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

EPA Method 1664

BCL Sample ID: 0901031-01		Client Sample Name: Sample 1, 1/22/2009 11:23:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Oil and Grease	ND	mg/L	6.1	1.5	EPA-1664H	01/26/09	01/26/09 13:00	JAK	MAN-SV	1.220	BSA1654	ND	A11



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Modern Pattern & Foundry Co., Inc.
5610 Alcoa Avenue
Los Angeles, CA 90058-3793

Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

Water Analysis (General Chemistry)

BCL Sample ID: 0901031-01		Client Sample Name: Sample 1, 1/22/2009 11:23:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
pH	6.76	pH Units	0.05	0.05	SM-4500HE	01/28/09	01/28/09 13:09	RLP	MET-1	1	BSA1692		S05
Electrical Conductivity @ 25 C	65.8	umhos/cm	1.00	1.00	EPA-120.1	01/28/09	01/28/09 13:09	RLP	MET-1	1	BSA1692		
Total Suspended Solids (Glass Fiber)	2.8	mg/L	2.0	2.0	SM-2540D	01/27/09	01/27/09 00:30	MRM	MANUAL	4	BSA1488	ND	

Modern Pattern & Foundry Co., Inc.
5610 Alcoa Avenue
Los Angeles, CA 90058-3793

Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

Water Analysis (Metals)

BCL Sample ID: 0901031-01		Client Sample Name: Sample 1, 1/22/2009 11:23:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Recoverable Aluminum	100	ug/L	50	28	EPA-200.7	02/03/09	02/04/09 15:47	ARD	PE-OP1	1	BSB0145	ND	
Total Recoverable Copper	12	ug/L	10	0.78	EPA-200.7	02/03/09	02/04/09 15:47	ARD	PE-OP1	1	BSB0145	ND	
Total Recoverable Iron	190	ug/L	50	16	EPA-200.7	02/03/09	02/04/09 15:47	ARD	PE-OP1	1	BSB0145	ND	
Total Recoverable Zinc	17000	ug/L	50	2.5	EPA-200.7	02/03/09	02/04/09 15:47	ARD	PE-OP1	1	BSB0145	ND	



Laboratories, Inc.

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5610 Alcoa Avenue
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Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

EPA Method 1664

BCL Sample ID: 0901031-02		Client Sample Name: Sample 2, 1/22/2009 11:23:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Oil and Grease	1.7	mg/L	5.6	1.3	EPA-1664H	01/26/09	01/26/09 13:00	JAK	MAN-SV	1.124	BSA1654	ND	J,A11



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Modern Pattern & Foundry Co., Inc.
5610 Alcoa Avenue
Los Angeles, CA 90058-3793

Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

Water Analysis (General Chemistry)

BCL Sample ID: 0901031-02		Client Sample Name: Sample 2, 1/22/2009 11:23:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
pH	6.98	pH Units	0.05	0.05	SM-4500HE	01/28/09	01/28/09 13:05	RLP	MET-1	1	BSA1692		S05
Electrical Conductivity @ 25 C	52.2	umhos/cm	1.00	1.00	EPA-120.1	01/28/09	01/28/09 13:05	RLP	MET-1	1	BSA1692		
Total Suspended Solids (Glass Fiber)	2.7	mg/L	1.7	1.7	SM-2540D	01/27/09	01/27/09 00:30	MRM	MANUAL	3.333	BSA1488	ND	



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

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5610 Alcoa Avenue
Los Angeles, CA 90058-3793

Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

Water Analysis (Metals)

BCL Sample ID: 0901031-02		Client Sample Name: Sample 2, 1/22/2009 11:23:00AM											
Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Recoverable Aluminum	67	ug/L	50	28	EPA-200.7	02/03/09	02/04/09 15:49	ARD	PE-OP1	1	BSB0145	ND	
Total Recoverable Copper	39	ug/L	10	0.78	EPA-200.7	02/03/09	02/04/09 15:49	ARD	PE-OP1	1	BSB0145	ND	
Total Recoverable Iron	130	ug/L	50	16	EPA-200.7	02/03/09	02/04/09 15:49	ARD	PE-OP1	1	BSB0145	ND	
Total Recoverable Zinc	1600	ug/L	50	2.5	EPA-200.7	02/03/09	02/04/09 15:49	ARD	PE-OP1	1	BSB0145	ND	



BC Laboratories, Inc.

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5610 Alcoa Avenue
Los Angeles, CA 90058-3793

Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

EPA Method 1664

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		
									Percent Recovery	RPD	Percent Recovery Lab Quas
Oil and Grease	BSA1654	Matrix Spike	0816914-78	ND	38.400	41.000	mg/L		93.7		78 - 114
		Matrix Spike Duplicate	0816914-78	ND	37.750	41.000	mg/L	1.7	92.1	18	78 - 114



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

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5610 Alcoa Avenue
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Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		
									Percent Recovery	RPD	Percent Recovery Lab Quals
Total Suspended Solids (Glass Fiber)	BSA1488	Duplicate	0901031-01	2.8000	2.8000		mg/L	0		10	
pH	BSA1692	Duplicate	0901031-01RE1	6.7600	6.7600		pH Units	0		20	
Electrical Conductivity @ 25 C	BSA1692	Duplicate	0901031-01RE1	65.800	64.960		umhos/cm	1.3		10	

**Laboratories, Inc.**

Environmental Testing Laboratory Since 1949

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5610 Alcoa Avenue
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Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		Lab Quals
									Percent Recovery	Percent Recovery	
Total Recoverable Aluminum	BSB0145	Duplicate	0901329-01	686.88	620.66		ug/L	10.1		20	
		Matrix Spike	0901329-01	686.88	1953.0	1000.0	ug/L		127		75 - 125 Q03
		Matrix Spike Duplicate	0901329-01	686.88	2011.3	1000.0	ug/L	3.9	132	20	75 - 125 Q03
Total Recoverable Copper	BSB0145	Duplicate	0901329-01	ND	ND		ug/L			20	
		Matrix Spike	0901329-01	ND	483.48	400.00	ug/L		121		75 - 125
		Matrix Spike Duplicate	0901329-01	ND	487.16	400.00	ug/L	0.8	122	20	75 - 125
Total Recoverable Iron	BSB0145	Duplicate	0901329-01	588.61	586.55		ug/L	0.4		20	
		Matrix Spike	0901329-01	588.61	1805.8	1000.0	ug/L		122		75 - 125
		Matrix Spike Duplicate	0901329-01	588.61	1842.1	1000.0	ug/L	2.4	125	20	75 - 125
Total Recoverable Zinc	BSB0145	Duplicate	0901329-01	6.1559	6.4488		ug/L	4.6		20	J
		Matrix Spike	0901329-01	6.1559	617.30	500.00	ug/L		122		75 - 125
		Matrix Spike Duplicate	0901329-01	6.1559	613.86	500.00	ug/L	0	122	20	75 - 125

Modern Pattern & Foundry Co., Inc.
5610 Alcoa Avenue
Los Angeles, CA 90058-3793

Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

EPA Method 1664

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits		Lab Quals
										Percent Recovery	RPD	
Oil and Grease	BSA1654	BSA1654-BS1	LCS	38.250	41.000	5.0	mg/L	93.3		78 - 114		



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

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5610 Alcoa Avenue
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Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits		Lab Quals
										Percent Recovery	RPD	
pH	BSA1692	BSA1692-BS2	LCS	7.0000	7.0000	0.05	pH Units	100		95 - 105		
Electrical Conductivity @ 25 C	BSA1692	BSA1692-BS1	LCS	295.30	303.00	1.00	umhos/cm	97.5		90 - 110		



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Environmental Testing Laboratory Since 1949

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Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits		Lab Quals
										Percent Recovery	RPD	
Total Recoverable Aluminum	BSB0145	BSB0145-BS1	LCS	984.02	1000.0	50	ug/L	98.4		85 - 115		
Total Recoverable Copper	BSB0145	BSB0145-BS1	LCS	388.33	400.00	10	ug/L	97.1		85 - 115		
Total Recoverable Iron	BSB0145	BSB0145-BS1	LCS	1049.9	1000.0	50	ug/L	105		85 - 115		
Total Recoverable Zinc	BSB0145	BSB0145-BS1	LCS	575.24	500.00	50	ug/L	115		85 - 115		



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Environmental Testing Laboratory Since 1949

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Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

EPA Method 1664

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Oil and Grease	BSA1654	BSA1654-BLK1	ND	mg/L	5.0	1.2	



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

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5610 Alcoa Avenue
Los Angeles, CA 90058-3793

Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Total Suspended Solids (Glass Fiber)	BSA1488	BSA1488-BLK1	ND	mg/L	0.50	0.50	



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Modern Pattern & Foundry Co., Inc.
5610 Alcoa Avenue
Los Angeles, CA 90058-3793

Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Total Recoverable Aluminum	BSB0145	BSB0145-BLK1	ND	ug/L	50	28	
Total Recoverable Copper	BSB0145	BSB0145-BLK1	ND	ug/L	10	0.78	
Total Recoverable Iron	BSB0145	BSB0145-BLK1	ND	ug/L	50	16	
Total Recoverable Zinc	BSB0145	BSB0145-BLK1	ND	ug/L	50	2.5	



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Environmental Testing Laboratory Since 1949

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5610 Alcoa Avenue
Los Angeles, CA 90058-3793

Project: Metals Casting Group
Project Number: Stormwater
Project Manager: John Meckel

Reported: 02/19/2009 12:26

Notes And Definitions

J Estimated Value (CLP Flag)
MDL Method Detection Limit
ND Analyte Not Detected at or above the reporting limit
PQL Practical Quantitation Limit
RPD Relative Percent Difference
A11 PQL's and/or MDL's were raised due to inadequate sample size received.
Q03 Matrix spike recovery(s) is(are) not within the control limits.
S05 The sample holding time was exceeded.

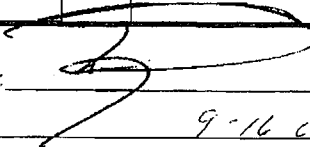
Facility Name Modern Petter

Form 1

**NON-STORMWATER VISUAL
OBSERVATION DOCUMENTATION**

Date of Observations	9-16-08						
Personnel Conducting Observations	John Meckel						
DISCHARGE LOCATIONS	OBSERVATIONS (Check Box if Observed)						COMMENTS
	UNAUTHORIZED NON-STORM WATER DISCHARGE	AUTHORIZED NON-STORM WATER DISCHARGE	STAINING	ODOR	DISCOLORATION	FLOATING/SUSPENDED MATERIAL	
D1							
D2							
D3							
D4							

Reviewed by Manager of SWPPP

Signature: 

Date: 9-16-08

Corrective Action:

(If required)

Implementation Schedule:

Corrective Action Start Date _____

Corrective Action Completion Date _____

Facility Name Modern Petco

Form 1

**NON-STORMWATER VISUAL
OBSERVATION DOCUMENTATION**

Date of Observations	<u>12-4-08</u>						
Personnel Conducting Observations	<u>John Meckel</u>						
DISCHARGE LOCATIONS	OBSERVATIONS (Check Box if Observed)						COMMENTS
	UNAUTHORIZED NON-STORM WATER DISCHARGE	AUTHORIZED NON-STORM WATER DISCHARGE	STAINING	ODOR	DISCOLORATION	FLOATING/SUSPENDED MATERIAL	
D1							
D2							
D3							
D4							

Reviewed by Manager of SWPPP

Signature: [Signature]

Date: 12-4-08

Corrective Action:

(If required)

Implementation Schedule:

Corrective Action Start Date _____

Corrective Action Completion Date _____

Facility Name Madison Center

Form 1

NON-STORMWATER VISUAL
OBSERVATION DOCUMENTATION

Date of Observations	3-17-09						
Personnel Conducting Observations	John Mecke						
DISCHARGE LOCATIONS	OBSERVATIONS (Check Box if Observed)						COMMENTS
	UNAUTHORIZED NON-STORM WATER DISCHARGE	AUTHORIZED NON-STORM WATER DISCHARGE	STAINING	ODOR	DISCOLORATION	FLOATING/SUSPENDED MATERIAL	
D1							
D2							
D3							
D4							

Reviewed by Manager of SWPPP

Signature: [Signature]

Date: 3-17-09

Corrective Action:

(If required)

Implementation Schedule:

Corrective Action Start Date

Corrective Action Completion Date

Facility Name Modern Petten

Form 1

**NON-STORMWATER VISUAL
OBSERVATION DOCUMENTATION**

Date of Observations	6-5-09						
Personnel Conducting Observations	John Meckel						
DISCHARGE LOCATIONS	OBSERVATIONS (Check Box if Observed)						COMMENTS
	UNAUTHORIZED NON-STORM WATER DISCHARGE	AUTHORIZED NON-STORM WATER DISCHARGE	STAINING	ODOR	DISCOLORATION	FLOATING/SUSPENDED MATERIAL	
D1							
D2							
D3							
D4							

Reviewed by Manager of SWPPP

Signature: [Signature]

Date: 6-5-09

Corrective Action:

(If required)

Implementation Schedule:

Corrective Action Start Date _____

Corrective Action Completion Date _____

Facility Name: Meadow Patten

Form 2
STORMWATER VISUAL
OBSERVATION DOCUMENTATION

Date of Observations		<u>10-30-08</u>							
Personnel Conducting Observations		<u>John Wickel</u>							
DISCHARGE LOCATIONS	TIME DISCHARGE BEGAN	TIME OF OBSERVATION	OBSERVATIONS (Check Box if Observed)						COMMENTS/SOURCE OF POLLUTANTS
			FLOATING MATERIALS	SUSPENDED MATERIALS	OIL AND GREASE	DISCOLORATION	ODOR	TURBIDITY	
D1									
D2									
D3									
D4									

Reviewed by Manager of SWPPP

Signature: [Signature]

Date: 10-30-08

Corrective Action:

(If required)

Implementation Schedule:

Corrective Action Start Date _____

Corrective Action Completion Date _____

Facility Name: Medford Patten

Form 2
STORMWATER VISUAL
OBSERVATION DOCUMENTATION

Date of Observations		<u>11-26-08</u>							
Personnel Conducting Observations		<u>John Muckel</u>							
DISCHARGE LOCATIONS	TIME DISCHARGE BEGAN	TIME OF OBSERVATION	OBSERVATIONS (Check Box if Observed)						COMMENTS/SOURCE OF POLLUTANTS
			FLOATING MATERIALS	SUSPENDED MATERIALS	OIL AND GREASE	DISCOLORATION	ODOR	TURBIDITY	
D1									
D2									
D3									
D4									

Reviewed by Manager of SWPPP

Signature: [Signature]

Date: 11-26-08

Corrective Action:

(If required)

Implementation Schedule:

Corrective Action Start Date _____

Corrective Action Completion Date _____

Facility Name: Modena Cotton

Form 2
STORMWATER VISUAL
OBSERVATION DOCUMENTATION

Date of Observations		<u>12-17-08</u>							
Personnel Conducting Observations		<u>John Mickel</u>							
DISCHARGE LOCATIONS	TIME DISCHARGE BEGAN	TIME OF OBSERVATION	OBSERVATIONS (Check Box if Observed)						COMMENTS/SOURCE OF POLLUTANTS
			FLOATING MATERIALS	SUSPENDED MATERIALS	OIL AND GREASE	DISCOLORATION	ODOR	TURBIDITY	
D1									<u>Very high R/A</u>
D2									
D3									
D4									

Reviewed by Manager of SWPPP

Signature: [Signature]

Date: 12-30-08

Corrective Action:

(If required)

Implementation Schedule:

Corrective Action Start Date _____

Corrective Action Completion Date _____

Facility Name: Medford Station

Form 2
STORMWATER VISUAL
OBSERVATION DOCUMENTATION

Date of Observations		<u>1-29-09</u>							
Personnel Conducting Observations		<u>John Mackel</u>							
DISCHARGE LOCATIONS	TIME DISCHARGE BEGAN	TIME OF OBSERVATION	OBSERVATIONS (Check Box if Observed)						COMMENTS/SOURCE OF POLLUTANTS
			FLOATING MATERIALS	SUSPENDED MATERIALS	OIL AND GREASE	DISCOLORATION	ODOR	TURBIDITY	
D1									
D2									
D3									
D4									

Reviewed by Manager of SWPPP

Signature: [Signature]

Date: 1-29-09

Corrective Action:

(If required)

Implementation Schedule:

Corrective Action Start Date _____

Corrective Action Completion Date _____

Facility Name: Medford Patten

Form 2
STORMWATER VISUAL
OBSERVATION DOCUMENTATION

Date of Observations		2-5-09							
Personnel Conducting Observations		John Muekel							
DISCHARGE LOCATIONS	TIME DISCHARGE BEGAN	TIME OF OBSERVATION	OBSERVATIONS (Check Box if Observed)						COMMENTS/SOURCE OF POLLUTANTS
			FLOATING MATERIALS	SUSPENDED MATERIALS	OIL AND GREASE	DISCOLORATION	ODOR	TURBIDITY	
D1	1:45	2:10							
D2	↓	2:10							
D3		2:20							
D4		2:30							

Reviewed by Manager of SWPPP

Signature: [Signature]

Date: 2-5-09

Corrective Action:

(If required)

Implementation Schedule:

Corrective Action Start Date _____

Corrective Action Completion Date _____

Form 2
STORMWATER VISUAL
OBSERVATION DOCUMENTATION

Date of Observations		MARCH 31, 2009							
Personnel Conducting Observations		Ken Caliva							
DISCHARGE LOCATIONS	TIME DISCHARGE BEGAN	TIME OF OBSERVATION	OBSERVATIONS (Check Box if Observed)						COMMENTS/SOURCE OF POLLUTANTS
			FLOATING MATERIALS	SUSPENDED MATERIALS	OIL AND GREASE	DISCOLORATION	ODOR	TURBIDITY	
5316 Pacific									There was no qualifying rain event this month.
5318 Pacific									
2621 E. 54 th St.									

Reviewed by Manager of SWPPP

Signature: Ken CalivaDate: 3/31/09**Corrective Action:**

(If required)

Implementation Schedule:

Corrective Action Start Date _____

Corrective Action Completion Date _____

Aircraft Foundry Co., Inc.

Form 2
STORMWATER VISUAL
OBSERVATION DOCUMENTATION

Date of Observations	4/30/09								
Personnel Conducting Observations	Ken Caliva								
DISCHARGE LOCATIONS	TIME DISCHARGE BEGAN	TIME OF OBSERVATION	OBSERVATIONS (Check Box if Observed)						COMMENTS/SOURCE OF POLLUTANTS
			FLOATING MATERIALS	SUSPENDED MATERIALS	OIL AND GREASE	DISCOLORATION	ODOR	TURBIDITY	
5316 Pacific									THERE WAS NO RAIN EVENT THIS MONTH TO MEASURE
5318 Pacific									
2621 E. 54 th St.									

Reviewed by Manager of SWPPP

Signature: Ken CalivaDate: 4/30/09

Corrective Action:

(If required)

Implementation Schedule:

Corrective Action Start Date _____

Corrective Action Completion Date _____

Facility Name: Meadow Station

Form 2
STORMWATER VISUAL
OBSERVATION DOCUMENTATION

Date of Observations	<u>5-30-09</u>								
Personnel Conducting Observations	<u>John Muehl</u>								
DISCHARGE LOCATIONS	TIME DISCHARGE BEGAN	TIME OF OBSERVATION	OBSERVATIONS (Check Box if Observed)						COMMENTS/SOURCE OF POLLUTANTS
			FLOATING MATERIALS	SUSPENDED MATERIALS	OIL AND GREASE	DISCOLORATION	ODOR	TURBIDITY	
D1									
D2									
D3									
D4									

Reviewed by Manager of SWPPP

Signature: [Signature]

Date: 5-30-09

Corrective Action:
(If required)

Implementation Schedule:

Corrective Action Start Date _____
Corrective Action Completion Date _____

Form 3
ANNUAL COMPREHENSIVE SITE
COMPLIANCE EVALUATION DOCUMENTATION

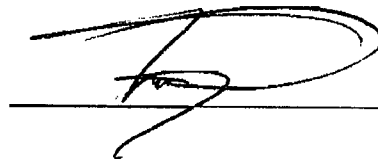
**SECTION 1
CERTIFICATION**

Date of Evaluation	6-5-09
Personnel Conducting Evaluation	John Meckel

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that this facility is in compliance with the requirements of the General Permit.

Manager of SWPPP:



(signature)

Date:

6-18-09

Form 3 (Cont'd)
ANNUAL COMPREHENSIVE SITE
COMPLIANCE EVALUATION DOCUMENTATION

SECTION 2 POTENTIAL POLLUTANT SOURCE INSPECTION AND BEST MANAGEMENT PRACTICE EVALUATION (USE NEW PAGE FOR EACH POTENTIAL POLLUTANT SOURCE)				
Date of Evaluation	6-5-09			
Personnel Conducting Evaluation	John Meckel			
POTENTIAL POLLUTANT SOURCE	BAGHOUSES			
BEST MANAGEMENT PRACTICE	EFFECTIVELY IMPLEMENTED?	COMMENTS/ DEFICIENCIES	CORRECTIVE ACTION REQUIRED? (If YES, complete Section 4)	REQUIRED REVISIONS TO SWPPP?
Dust Collected In Closed Containers	YES			
Preventive Maintenance	YES			
Sweeping	YES			
Audits	YES			
Potential for pollutants to enter drainage system	<input type="checkbox"/> NONE <input checked="" type="checkbox"/> POTENTIAL EXISTS (EXPLAIN)		EXPLANATION: Potential exists for particulate to impact storm water if sweeping is not done regularly or just prior to a storm event,	

Form 3 (Cont'd)
ANNUAL COMPREHENSIVE SITE
COMPLIANCE EVALUATION DOCUMENTATION

SECTION 2 POTENTIAL POLLUTANT SOURCE INSPECTION AND BEST MANAGEMENT PRACTICE EVALUATION (USE NEW PAGE FOR EACH POTENTIAL POLLUTANT SOURCE)				
Date of Evaluation	6-5-09			
Personnel Conducting Evaluation	John Meckel			
POTENTIAL POLLUTANT SOURCE	OILS , WASTE OILS			
BEST MANAGEMENT PRACTICE	EFFECTIVELY IMPLEMENTED?	COMMENTS/ DEFICIENCIES	CORRECTIVE ACTION REQUIRED? (If YES, complete Section 4)	REQUIRED REVISIONS TO SWPPP?
Drums Are Stored With Secondary Containment	YES			
Covered	YES			
Sweeping & Use of Absorbents	YES			
Audits	YES			
Potential for pollutants to enter drainage system	<input type="checkbox"/> NONE <input checked="" type="checkbox"/> POTENTIAL EXISTS (EXPLAIN)	EXPLANATION: Potential exists for small spills to impact storm water if use of absorbents and sweeping is not conducted regularly or just prior to a storm event		

Form 3 (Cont'd)
ANNUAL COMPREHENSIVE SITE
COMPLIANCE EVALUATION DOCUMENTATION

SECTION 2 POTENTIAL POLLUTANT SOURCE INSPECTION AND BEST MANAGEMENT PRACTICE EVALUATION (USE NEW PAGE FOR EACH POTENTIAL POLLUTANT SOURCE)				
Date of Evaluation	6-5-09			
Personnel Conducting Evaluation	John Meckel			
POTENTIAL POLLUTANT SOURCE	BONEYARD			
BEST MANAGEMENT PRACTICE	EFFECTIVELY IMPLEMENTED?	COMMENTS/ DEFICIENCIES	CORRECTIVE ACTION REQUIRED? (If YES, complete Section 4)	REQUIRED REVISIONS TO SWPPP?
Audits	YES			
Sweeping	YES			
Potential for pollutants to enter drainage system	<input type="checkbox"/> NONE <input checked="" type="checkbox"/> POTENTIAL EXISTS (EXPLAIN)	EXPLANATION: Potential exists for particulate to impact storm water if sweeping is not done regularly or just prior to a storm event,		

Form 3 (Cont'd)
ANNUAL COMPREHENSIVE SITE
COMPLIANCE EVALUATION DOCUMENTATION

SECTION 2 POTENTIAL POLLUTANT SOURCE INSPECTION AND BEST MANAGEMENT PRACTICE EVALUATION (USE NEW PAGE FOR EACH POTENTIAL POLLUTANT SOURCE)				
Date of Evaluation	6-5-09			
Personnel Conducting Evaluation	John Meckel			
POTENTIAL POLLUTANT SOURCE	ALL OTHER MANUFACTURING PROCESSES			
BEST MANAGEMENT PRACTICE	EFFECTIVELY IMPLEMENTED?	COMMENTS/ DEFICIENCIES	CORRECTIVE ACTION REQUIRED? (If YES, complete Section 4)	REQUIRED REVISIONS TO SWPPP?
Manufacturing Operations are Conducted Indoors	YES			
Sweeping	YES			
Audits	YES			
Potential for pollutants to enter drainage system	<input type="checkbox"/> NONE <input checked="" type="checkbox"/> POTENTIAL EXISTS (EXPLAIN)	EXPLANATION: Potential exists for particulate to impact storm water if sweeping is not done regularly or just prior to a storm event when tracking of materials from the inside to the outside occurs		

Form 3 (Cont'd)
ANNUAL COMPREHENSIVE SITE
COMPLIANCE EVALUATION DOCUMENTATION

SECTION 3
EQUIPMENT INSPECTION

EQUIPMENT DESCRIPTION	PRESENT	CONDITION
ABSORBANT MATERIAL	yes	good
ABSORBANT SOCKS	yes	good
SAFETY EQUIPMENT	yes	good

Form 3 (Cont'd)
ANNUAL COMPREHENSIVE SITE
COMPLIANCE EVALUATION DOCUMENTATION

SECTION 4
CORRECTIVE ACTION DOCUMENTATION

POTENTIAL POLLUTANT SOURCE AREA: _____

DISCREPANCY OBSERVED: _____

CORRECTIVE ACTION: _____

IMPLEMENTATION
SCHEDULE: Corrective Action Start Date _____
Corrective Action Completion Date _____

Reviewed by Manager of SWPPP

Actual Corrective Action Completion Date: _____

Signature: _____

Date: _____

We will increase the effectiveness of the sweeping.

RWQCB 2010a

California Environmental Protection Agency, Los Angeles Regional Water Quality Control Board, Letter to Meckel, Roland, Re: ANNUAL REPORT REVIEW – BENCHMARK VALUE EXCEEDANCE: NPDES GENERAL PERMIT (PERMIT) FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY (ORDER NO. 97-03 DWQ; NPDES NO. CAS00001), WDED# 4191910685, March 3, 2010



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Cal/EPA Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger
Governor

March 3, 2010

Mr. Roland B. Meckel
Modern Pattern & Foundry Co.
5610 Alcoa Avenue
Vernon, CA 90058

Certified Mail-Return Receipt Requested
7009 1820 0001 2683 3329

**ANNUAL REPORT REVIEW – BENCHMARK VALUE EXCEEDANCE: NPDES
GENERAL PERMIT (PERMIT) FOR STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITY (ORDER NO. 97-03 DWQ; NPDES NO. CAS000001),
WDID# 4191010685**

Dear Mr. Meckel:

As the operator of a facility with industrial operations (Modern Pattern & Foundry Co.) located at 5610 Alcoa Avenue in the City of Veron, you are subject to requirements specified in a General Permit for *Storm Water Discharges Associated with Industrial Activities* (Permit). In order to certify your intent to comply with the Permit, you signed a Notice of Intent (NOI) that was processed on October 20, 1993. In signing the NOI, you certified to the State of California that you read the Permit and will comply with all requirements specified in the Permit.

As specified in the Permit, the Permittee is required to develop a Storm Water Pollution Prevention Plan (SWPPP) in which the Permittee must identify potential sources of pollution and describe specific best management practices (BMPs) that shall be implemented to eliminate or reduce storm water pollution from the facility.

On June 19, 2009, we received your 2008-09 Annual Report and our review of the report shows that analytical results for Zinc (Zn) exceed the benchmark.

Please see the table below for your sampling summary.

Date Sampled	Constituent	Units	Benchmark	D-1	D-2
1/22/09	Zn	mg/L	0.117	17.0	1.60

California Environmental Protection Agency



Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Roland B. Meckel
Modern Pattern & Foundry Co.

- 2 -

March 3, 2010

Exceeding benchmark levels in sampling results is mainly due to ineffective BMPs. Permit Section A.8 describes storm water BMPs and requires the permittee to develop and implement the BMPs to reduce or prevent pollutants in storm water discharges.

You are required to comply immediately with the following tasks:

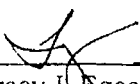
1. Ensure full compliance with the General Permit (Section A.8).
2. Implement effective BMPs described in your SWPPP, or ;
3. If you are already implementing the BMPs described in your SWPPP but your analytical results are higher than the benchmark values, you must implement additional BMPs, and amend your SWPPP accordingly.

If you fail to implement or upgrade your BMPs and amend your SWPPP, pursuant to §13385 of the California Water Code, you are subject to enforcement action, including administrative civil liability (penalties), for your violation(s) of the General Permit. Penalties may be assessed at a rate of \$10,000 per day for each violation. Penalties may accrue from the date the violation first occurred, and may be assessed without further warning. Furthermore, the Regional Board may also request the United States Attorney, appropriate County District Attorney, or City Attorney to seek criminal prosecution. A Superior Court may be requested to impose civil or criminal penalties.

Please submit evidence of implemented additional BMPs and SWPPP amendments by April 5, 2010 to Mr. Sean Lee of this office.


If you have any questions regarding this matter, please contact Mr. Sean Lee at (213) 620-2202.

Sincerely,


Tracy J. Egoscue
Executive Officer

cc: Jerriek Torres, City of Vernon

California Environmental Protection Agency

 Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

622E 6992 1000 0281 5002

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 For delivery information visit our website at www.usps.com

Postmark Here

Certified For _____
 Return Receipt For (Endorsement Required) _____
 Restricted Delivery For (Endorsement Required) _____
 Total Postage & Fees \$ _____

Sent To
 Street, Apt. No., or PO Box No. Roland B. Meckel
5610 Alcoa Avenue
 City, State, ZIP+4 Vernon, CA 90058

PS Form 3800, June 2002 See Reverse for Instructions

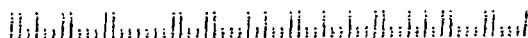
UNITED STATES POSTAL SERVICE



First-Class Mail
 Postage & Fees Paid
 USPS
 Permit No. G-10

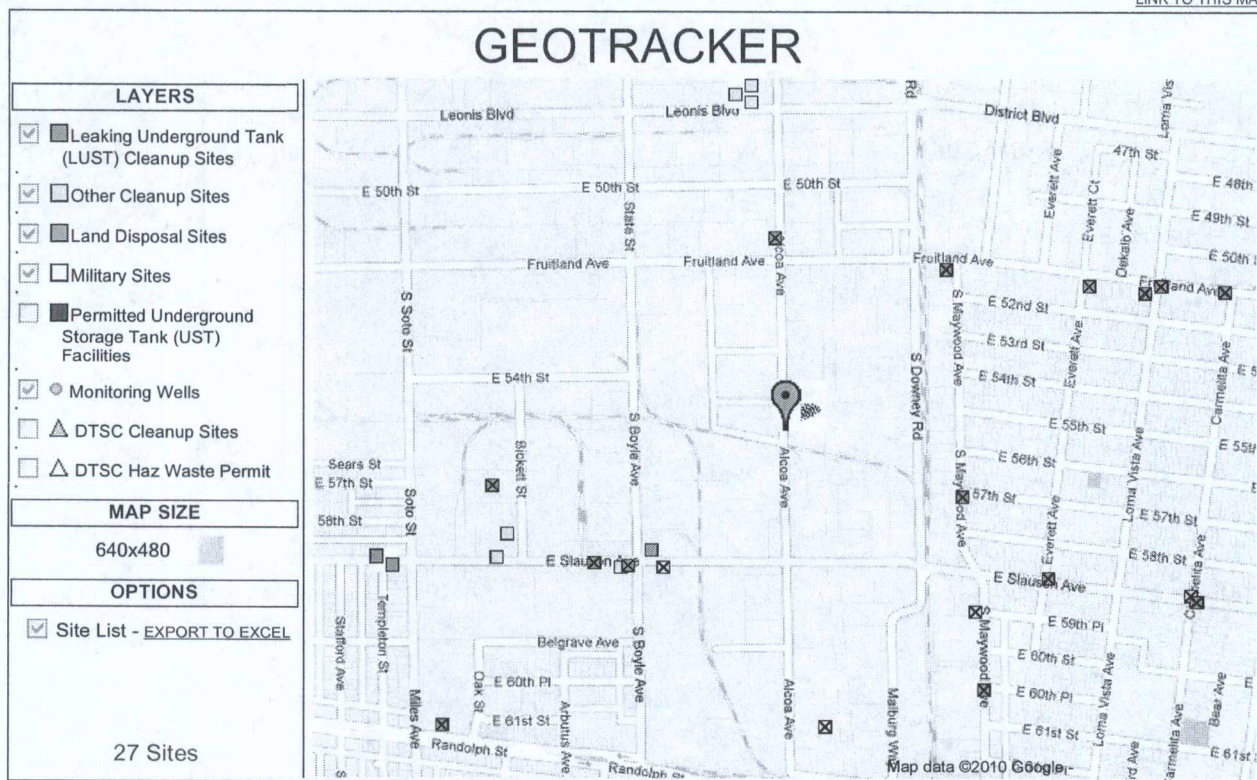
• Sender: Please print your name, address, and ZIP+4 in this box •

Victor Uspolo, Sean Lee
 LA Regional Board
 320 W 4th St #200
 Los Angeles, CA 90013
 Storm Water Section
 419.010685



RWQCB 2010b

**California Environmental Protection Agency, Los Angeles Regional Water
Quality Control Board, Geotracker database, <http://geotracker.swrcb.ca.gov>,
data accessed June 11, 2010**

[LINK TO THIS MAP](#)☐ SHOW SITES WITHIN 1000 FEET OF THE FOLLOWING ADDRESS: 5610 Alcoa Ave, Vernon**SITE LIST**

<input checked="" type="checkbox"/> SITE NAME	GLOBAL ID	CLEANUP STATUS	ADDRESS	CITY
<input checked="" type="checkbox"/> ALUMINUM COMPANY OF AMERICA (FORMER)	T0603701 141	COMPLETED - CASE CLOSED	5151 ALCOA AVE	VERNON
<input checked="" type="checkbox"/> BERTRAND SERVICES	T0603703 861	COMPLETED - CASE CLOSED	3600 FRUITLAND AVE	MAYWOOD
<input checked="" type="checkbox"/> BETHLEHEM STEEL CORPORATION	SL184351 418	COMPLETED - CASE CLOSED	3300 SLAUSON E	VERNON
<input checked="" type="checkbox"/> BETHLEHEM STEEL CORPORATION	T0603701 297	COMPLETED - CASE CLOSED	5901 MAYWOOD AVE. (LOT 19)	HUNTINGTON PARK
<input checked="" type="checkbox"/> BETHLEHEM STEEL CORPORATION	T0603700 666	COMPLETED - CASE CLOSED	3300 SLAUSON AVE E	VERNON
<input checked="" type="checkbox"/> C & C AUTO MOTIVE	T0603705 541	COMPLETED - CASE CLOSED	3700 FRUITLAND AVE E	MAYWOOD
<input checked="" type="checkbox"/> CITY OF MAYWOOD - MAYWOOD AUTO PARTS	SL0603765650	COMPLETED - CASE CLOSED - LAND USE RESTRICTIONS	3757 E. SLAUSON AVE.	MAYWOOD
<input type="checkbox"/> CONOCOPHILLIPS COMPANY #256150	T1000000 1253	OPEN - SITE ASSESSMENT	2330 SLAUSON AVE, E	HUNTINGTON PARK
<input checked="" type="checkbox"/> DRESSER INDUSTRIES	T060370 3615	COMPLETED - CASE CLOSED	5715 BICKETT ST	HUNTINGTON PARK
<input checked="" type="checkbox"/> EVANS TANK LINES	T060370 3816	COMPLETED - CASE CLOSED	5711 MAYWOOD AVE	MAYWOOD
<input checked="" type="checkbox"/> FLOUR TRANSPORT INC	T0603703 824	COMPLETED - CASE CLOSED	3500 FRUITLAND AVE	MAYWOOD
<input type="checkbox"/> FORMER SERVICE STATION	T1000000 1188	OPEN - INACTIVE	5816-5820 SOUTH BOYLE AVENUE	VERNON
<input type="checkbox"/> GNB, INC.	SLT43120118	OPEN	2700 INDIANA AVE	VERNON

MAP AN ADDRESS:

SCAQMD 1957

**South Coast Air Quality Management District, Permits to Operate, October
17, 1957**

AIR POLLUTION CONTROL DISTRICT

COUNTY OF LOS ANGELES

PERMIT

IS HEREBY GRANTED TO

MODERN PATTERN AND FOUNDRY COMPANY, INCORPORATED

TO OPERATE

ONE SANDBLAST CABINET, 27" W. X 27" D. X 27" H., CUSTOM-BUILT.

LOCATED AT

5610 ALCOA AVENUE
LOS ANGELES 58, CALIFORNIA

SUBJECT TO THE FOLLOWING CONDITION:

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THIS OFFICE.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 20, CHAPTER 2, ARTICLE 3, OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES AND REGULATIONS OF THE AIR POLLUTION CONTROL DISTRICT.

THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENTAL AGENCIES.

Date October 17, 1957

Appl. No. 27921

AIR POLLUTION CONTROL OFFICER

By 

REVOCABLE AND NOT TRANSFERABLE

E. L. KONOLD

Asst. Business Manager 238-7/57

41231

INACTIVE

3-5-70

REMOVED

II-B-2-56-4-57
No. 41231

AIR POLLUTION CONTROL DISTRICT
COUNTY OF LOS ANGELES

41230

PERMIT

IS HEREBY GRANTED TO
MODERN PATTERN AND FOUNDRY COMPANY, INCORPORATED

TO OPERATE
ONE SANDBLAST CABINET, 60" W. X 37" D. X 70" H., MACLEOD COMPANY, SERIAL NO. F-3162.
LOCATED AT

5610 ALCOA AVENUE
LOS ANGELES 58, CALIFORNIA

SUBJECT TO THE FOLLOWING CONDITION:

THIS EQUIPMENT MUST NOT BE OPERATED UNLESS VENTED TO AIR POLLUTION CONTROL EQUIPMENT
WHICH IS IN FULL USE AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THIS OFFICE.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE
ALLOWED BY DIVISION 20, CHAPTER 2, ARTICLE 3, OF THE HEALTH AND SAFETY CODE OF THE STATE OF
CALIFORNIA OR THE RULES AND REGULATIONS OF THE AIR POLLUTION CONTROL DISTRICT.

THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES,
REGULATIONS OR STATUTES OF OTHER GOVERNMENTAL AGENCIES.

Date October 17, 1957
Appl. No. 27921

AIR POLLUTION CONTROL OFFICER

Nº · 41230

8

By 

REVOCABLE AND NOT TRANSFERABLE

E. L. KONOLD
Asst. Business Manager 76P238-7/57

AIR POLLUTION CONTROL DISTRICT

COUNTY OF LOS ANGELES

PERMIT

IS HEREBY GRANTED TO

MODERN PATTERN AND FOUNDRY COMPANY, INCORPORATED

TO OPERATE

ONE 5 H.P. LOCAL EXHAUST SYSTEM WITH A PANGBORN MODEL CN800 CLOTH TUBULAR TYPE BAG-
HOUSE SERVING ONE MACLEOD COMPANY SANDBLAST CABINET, ONE CUSTOM-BUILT SANDBLAST
CABINET, THREE DOUBLE-ENDED BUFFING AND GRINDING MACHINES AND ONE SINGLE WHEEL
GRINDING MACHINE.

LOCATED AT

5610 ALCOA AVENUE
LOS ANGELES 58, CALIFORNIA

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE
ALLOWED BY DIVISION 20, CHAPTER 2, ARTICLE 3, OF THE HEALTH AND SAFETY CODE OF THE STATE OF
CALIFORNIA OR THE RULES AND REGULATIONS OF THE AIR POLLUTION CONTROL DISTRICT.

THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES,
REGULATIONS OR STATUTES OF OTHER GOVERNMENTAL AGENCIES.

Date October 17, 1957

Appl. No. 27921

8

AIR POLLUTION CONTROL OFFICER

By



E. L. KONOLD

Asst. Business Manager

76P238-7/57

No 41229

REVOCABLE AND NOT TRANSFERABLE

41229

INACTIVE

ALTERED

9-5-69

SCAQMD 1961

**South Coast Air Quality Management District SCAQMD, Permits to Operate,
August 7, 1961**

AIR POLLUTION CONTR DISTRICT
COUNTY OF LOS ANGELES



PERMIT

A PERMIT IS HEREBY GRANTED TO:

MODERN PATTERN AND FOUNDRY COMPANY, INCORPORATED

TO OPERATE

FURNACE, ALUMINUM MELTING, CUSTOM-MADE, TILTING CRUCIBLE TYPE, 1700 LBS.
CAPACITY, 3'-7" DIA. X 4'-7" H., GAS FIRED.

LOCATED AT

5610 ALCOA AVENUE, VERNON 58, CALIFORNIA

-(SUBJECT TO THE FOLLOWING CONDITIONS)

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. CHLORINE, ALUMINUM CHLORIDE OR ALUMINUM FLUORIDE MUST NOT BE USED IN THIS FURNACE.
3. METAL CONTAMINATED WITH ORGANIC MATERIAL MUST NOT BE CHARGED TO THIS FURNACE.

REVOCABLE AND NOT TRANSFERABLE

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 20, Chapter 2, Article 3, of the Health and Safety Code of the State of California or the Rules and Regulations of the Air Pollution Control District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies.

VOID UNLESS VALIDATED

Appl. No. A-11481

I

A 11019
INACTIVE
8-25-75
REMOVED
EH

AIR POLLUTION CONTROL OFFICER

BY

R. J. Schwartz, Ass't Bus. Mgr.

DATE August 2, 1961

0121330 NS 2610 A 7000

No. A 11019

AIR POLLUTION CONTR DISTRICT
COUNTY OF LOS ANGELES



PERMIT

A PERMIT IS HEREBY GRANTED TO:

MODERN PATTERN AND FOUNDRY COMPANY, INCORPORATED

Appl. No. A-111480

I

TO OPERATE

A 11018

FURNACE, ALUMINUM MELTING, MODIFIED CAMPBELL-HAUSFELD, TILTING CRUCIBLE TYPE,
1130 LBS. CAPACITY, 3'-4" DIA. X 4'-2" H., GAS FIRED.

LOCATED AT

5610 ALCOA AVENUE, VERNON 58, CALIFORNIA

(SUBJECT TO THE FOLLOWING CONDITIONS)

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. CHLORINE, ALUMINUM CHLORIDE OR ALUMINUM FLUORIDE MUST NOT BE USED IN THIS FURNACE.
3. METAL CONTAMINATED WITH ORGANIC MATERIAL MUST NOT BE CHARGED TO THIS FURNACE.

INACTIVE
REMOVED
e/l

REVOCABLE AND NOT TRANSFERABLE

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 20, Chapter 2, Article 3, of the Health and Safety Code of the State of California or the Rules and Regulations of the Air Pollution Control District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies.

VOID UNLESS VALIDATED

AIR POLLUTION CONTROL OFFICER

BY

R. J. Schwartz, Ass't Bus. Mgr.

DATE August 2, 1961

202 1 3 2 9 MS 2 61 7 0 0 0

No. A 11018

SCAQMD 2000

**South Coast Air Quality Management District, Notices to Comply, NC C66660
and NC 66664, November 2000**

South Coast Air Quality Management District

NC C66660

Company

Facility: MODERN PATTERN & FOUNDRY CO INC (ID: 13030)
Location Address: 5610 ALCOA, AVE VERNON, CA 90058-3793
Mailing Address:
Representative: PRESIDENT

Violation

Notice Issued Date: 11/7/2000
Violation Date: 11/7/2000
Serve To: ROLAND MECKEL
Issue By: VICTOR YIP (Team: I)
Assignment No.: 634004
Compliance
Achieved Date: 12/07/2000
Equipment
Description:

Compliance Required: PROVIDE METAL CERTIFICATIONS FOR ALL ALUMINUM & ALUMINUM/BRONZE MELTED. PROVIDE RECORDS OF TOTAL MELT FOR ALUMINUM & ALUMINUM/BRONZE FOR 1999 & 2000.

Disposition

Final Action Code:
Due Date: 11/21/2000
Violation Days: 0

Rule/Comment

42303

Emittent

Follow-Up

Status: INCOMP Inspector ID: Inspection Date: 12/07/00 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____
signature

DATE: _____

SUPERVISOR: _____
signature

DATE: _____

South Coast Air Quality Management District

NC C66664

Company

Facility: MODERN PATTERN & FOUNDRY CO INC (ID: 13030)
Location Address: 5610 ALCOA, AVE VERNON, CA 90058-3793
Mailing Address:
Representative: PRESIDENT

Violation

Notice Issued Date: 11/21/2000
Violation Date: 11/21/2000
Serve To: ROLAND MECKEL
Issue By: VICTOR YIP (Team: I)
Assignment No.: 634003
Compliance Acheived Date: 12/07/2000
Equipment
Description:

Compliance Required: APPLY FOR A CHANGE OF PERMIT CONDITION FOR P/O F8378 TO REFLECT THE CORRECT AMOUNT OF CATALYST USED.

Disposition

Final Action Code:
Due Date: 12/5/2000
Violation Days: 0

Rule/Comment

203 b

Emittent

Follow-Up

Status: INCOMP Inspector ID: Inspection Date: 12/07/00 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____
signature

DATE: _____

SUPERVISOR: _____
signature

DATE: _____

SCAQMD 2010a

**South Coast Air Quality Management District, Facility Equipment List
Report, May 26, 2010**

South Coast Air Quality Management District

Facility Equipment List Report

Run Date : 05/26/2010 12:09 PM

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC
 Last Inspection: 09/10/2008
 SIC: 3365
 Inspector: JL06 JEFFREY LLOYD
 Inspection Date: 09/10/2008
 Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector:PG
 Mailing Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector:PG
 Instruction:

MR: 0504
 TS: TS-11 Industrial: Sector-based I
 Facility Status: Active
 Assignment No. 1068425
 Disposition: Operating in Compliance at time of inspection
 Contact: B. L. GRIFFITHS (909) 3929656
 Quarter: 0100 - inspect in 2nd quarter, every year
 On Hold: N
 Facility Team: J
 Suspended: N

RECLAIM: N		TITLE V: N		SIP:		AIR:			
Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status		
002135	001849	08/07/1950	INACTIVE	001600 BCAT	FURNACE REVERB ALUMINUM	01/01/1900	PERMIT TO OPERATE GRANTED		
027921	041230	10/17/1957	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	01/01/1990	PERMIT TO OPERATE GRANTED		
027921	041230	10/17/1957	ACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED		
161549	M63308	05/14/1988	ACTIVE	000268 BCAT	OVEN, SCREEN PRINTING	10/09/1987	PERMIT TO OPERATE GRANTED		
218982	D37211	03/29/1991	ACTIVE	000198 BCAT	WAX BURN-OFF OVEN	12/19/1989	PERMIT TO OPERATE GRANTED		
299980				666072 BCAT	RULE 1125 (b)(3) COMPLIANCE PLAN	01/12/1995	BANKING/ PLAN GRANTED		
327210	F8378	07/24/1997	INACTIVE	000306 BCAT	FOUNDRY SAND MOLD, COLD FORMING PROCES	04/17/1997	PERMIT TO OPERATE GRANTED		
329050	F21771	08/23/1999	ACTIVE	000198 BCAT	WAX BURN-OFF OVEN	06/13/1997	PERMIT TO OPERATE GRANTED		
377371	F45305	10/13/2001	ACTIVE	000306 BCAT	FOUNDRY SAND MOLD, COLD FORMING PROCES	11/28/2000	PERMIT TO OPERATE GRANTED		
421310	F65060	12/18/2003	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	10/28/2003	PERMIT TO OPERATE GRANTED		
422609	F65135	12/18/2003	ACTIVE	74 CCAT	BAGHOUSE, AMBIENT TEMP (<=100 SQ FT)	12/09/2003	PERMIT TO OPERATE GRANTED		
A25479	P08205	04/09/1965	EXPIRED	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED		
A25482	P13066	03/16/1966	ACTIVE	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED		
A25483	P08090	03/30/1965	EXPIRED	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED		
A25484	P08091	03/30/1965	INACTIVE	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1900	PERMIT TO OPERATE GRANTED		
A56768	P43103	04/12/1971	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	01/01/1990	PERMIT TO OPERATE GRANTED		
A56768	P43103	04/12/1971	ACTIVE	22 CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED		
A56770	P43104	04/12/1971	ACTIVE	22 CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED		
A56770	P43104	04/12/1971	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	01/01/1990	PERMIT TO OPERATE GRANTED		
A56885	P47903	12/20/1971	INACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1900	PERMIT TO OPERATE GRANTED		
A56885	P47903	12/20/1971	INACTIVE	21 CCAT	BAGHOUSE	01/01/1900	PERMIT TO OPERATE GRANTED		
A57595	P47904	12/20/1971	ACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED		
A57595	P47904	12/20/1971	ACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED		
C05603	M05075	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED		
C05604	M05175	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED		
C05605	M05176	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED		
C05606	M05506	07/28/1978	ACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED		
C05607	M05177	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED		

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

South Coast Air Quality Management District

Facility Equipment List Report

Run Date : 05/26/2010 12:09 PM

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC Last Inspection: 09/10/2008 SIC: 3365 Inspector: JL06 JEFFREY LLOYD Inspection Date: 09/10/2008 Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector: PG Mailing Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector: PG Instruction:	MR: 0504 TS: TS-11 Industrial: Sector-based I Facility Status: Active Assignment No. 1068425 Disposition: Operating in Compliance at time of inspection	Contact: B. L. GRIFFITHS (909) 3929656 Quarter: 0100 - inspect in 2nd quarter, every year On Hold: N Facility Team: J Suspended: N
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RECLAIM: N		TITLE V: N		SIP:		AIR:			
Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status		
C05608	M05178	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED		
C05609	M05179	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED		
C05610	M05180	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED		
C05611	M05181	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1900	PERMIT TO OPERATE GRANTED		
C23239	M21043	02/12/1982	ACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED		
C23239	M21043	02/12/1982	ACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED		

Report: On 09/10/2008 at 1025 hours, I arrived at the above location to conduct an equipment list inspection. I met with Roland Meckel, Owner, as John Meckel, Vice President, was busy. The company is a foundry that melts aluminum and steel. Process includes making a wax mold, forming sand casting around mold, melt out wax, pour aluminum into mold, and break off casting. Facility has 15 permits for 7 furnaces/ovens, 3 abrasive blasting cabinets, 3 baghouses, shell core machine (M05506) and 1 sand mixer (F45303). The foundry is the oldest in the area, per Mr. Meckel. Of the three ovens previously noted by Inspectors (F21771, M63308, & D37211), and are equipped with afterburners to be operated between 1200-1400 degrees F, one was in cool down mode. The permits had fallen off, but permits were properly posted on other equipment. Due to the similarities in plates, it was difficult to determine applicable permit. I discussed with Mr. Meckel that this needs to be clarified and the facility uses Consultant, Butch Griffiths (909.392.9656), known to me in the area. I later spoke with Mr. Griffiths, who stated he will clarify or apply for modifications as necessary. P/O #F45305 limits the mixer to process no more than 3,800 pounds of total material and 49.4 pounds of resin in any one day. Records indicate compliance with these limits. I verified that abrasive blasting cabinets (F65060 & 041230) were vented to air pollution control devices (F65135 & P43104). Each air pollution control device was equipped with a mechanical gauge. P43103 is not at facility anymore, per Mr. Meckel. The company operates three 280-pound aluminum furnaces used to melt aluminum ingot (Prime A 356), exempt per Rule 219(e)(2), and two 240-pound brass melting furnaces (P13066 & P8090) used to melt aluminum-bronze (no yellow brass is melted in the facility). Core oven (P08205) is used for storage. The facility had a McKenna Boiler, rated at 1.060 MMBTU, year 2002. Unit was registered per R. 222(b). I determined the facility was operating in compliance with Rules 203(b), 222(b), 1140, and 1146.2. I departed at 1215 hours.

Reviewed by Supv. Stimson on 9/19/08

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

6am - 4pm

South Coast Air Quality Management District

Facility Equipment List Report

Facility: 13030 **MODERN PATTERN & FOUNDRY CO INC** **Contact:** B. L. GRIFFITHS - (909) 392-9656 Ext:
Last Inspection: ~~01/16/89~~ 9/16/99 **Inspector:** ^{VICTOR YIP} **Compl Team:** W **Permit Team:** MR: 05 04 **Quarter:** 0010 - inspect in 3rd quarter, every year
SIC Code: 3365 **SECTOR ID:** PG **Suspended?:** **On Hold?:** **TS:** **AIRS ID:**
Location Address: 5610 ALCOA AVE, VERNON CA 90058 **Applicable Rules:**
Mailing Address:

APPL NO:	PERMIT NO:	PERMIT ISSUE DATE:	PERMIT STATUS:	BCAT /CCAT	DESCRIPTION	APPL DATE	APPL STATUS DESCRIPTION
✓ 161549	M63308	880514	ACTIVE	268	OVEN, SCREEN PRINTING	871009	Permit to Construct
2135	1849	500807	INACTIVE	1600	FURNACE REVERB ALUMINUM		
✓ 218982	D37211	910329	ACTIVE	198	WAX BURN-OFF OVEN	891219	P/O no P/C
✓ 27921	41230	571017	ACTIVE	21	BAGHOUSE	900101	Permit to Operate
✓ 27921	41230	571017	ACTIVE	284	ABRASIVE BLASTING (CABINET/MACHINE/ROOM	900101	Permit to Operate
✓ 327210	F8378	970724	ACTIVE	306	FOUNDRY SAND MOLD, COLD FORMING PROCE	970417	Permit to Construct
✓ A25479	P08205	650409	ACTIVE	262	CORE OVEN	900101	Permit to Operate
✓ A25482	P13066	660316	ACTIVE	1010	FURNACE CRUCIBLE BRASS YELLOW	900101	Permit to Operate
✓ A25483	P08090	650330	ACTIVE	1010	FURNACE CRUCIBLE BRASS YELLOW	900101	Permit to Operate
A25484	P08091	650330	INACTIVE	1010	FURNACE CRUCIBLE BRASS YELLOW		
✓ A56768	P43103	710412	ACTIVE	284	ABRASIVE BLASTING (CABINET/MACHINE/ROOM	900101	Permit to Operate
✓ A56768	P43103	710412	ACTIVE	22	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	900101	Permit to Operate
✓ A56770	P43104	710412	ACTIVE	284	ABRASIVE BLASTING (CABINET/MACHINE/ROOM	900101	Permit to Operate
✓ A56770	P43104	710412	ACTIVE	22	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	900101	Permit to Operate
A56885	P47903	711220	INACTIVE	1330	FURNACE ELECT IND & RES IRON-STEEL		
A57595	P47904	711220	ACTIVE	1330	FURNACE ELECT IND & RES IRON-STEEL	900101	Permit to Operate
A57595	P47904	711220	ACTIVE	21	BAGHOUSE	900101	Permit to Operate
C05603	M05075	780830	INACTIVE	262	CORE OVEN		
C05604	M05175	780830	INACTIVE	262	CORE OVEN		
C05605	M05176	780830	INACTIVE	262	CORE OVEN		
✓ C05606	M05506	780728	ACTIVE	262	CORE OVEN	900101	Permit to Operate

Facility: 13030 **MODERN PATTERN & FOUNDRY CO INC**

Inspector: VICTOR YIP [Signature] **Date:** 1 / 1 **Reviewed By:** [Signature] **Date:** 9/28/99

South Coast Air Quality Management District Facility Equipment List Report

C05607	M05177	780830	INACTIVE	262	CORE OVEN		
C05608	M05178	780830	INACTIVE	262	CORE OVEN	900101	Permit to Operate
C05609	M05179	780830	INACTIVE	262	CORE OVEN		
C05610	M05180	780830	INACTIVE	262	CORE OVEN		
C05611	M05181	780830	INACTIVE	262	CORE OVEN		
✓	C23239	M21043	820212	ACTIVE	21	BAGHOUSE	900101 Permit to Operate
✓	C23239	M21043	820212	ACTIVE	1330	FURNACE ELECT IND & RES IRON-STEEL	900101 Permit to Operate

Comments:

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC

Inspector: VICTOR YIP  Date: / / Reviewed By: Date: / /

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
STATIONARY SOURCE COMPLIANCE**

I.D. NO. 13030

COMPANY NAME MODERN PATTERN & FOUNDRY CO INC.

TEL (909) 392-9656

ZIP CODE 90058

ADDRESS 5610 ALCOA AVE.

CITY VERNON

NATURE OF BUSINESS METAL CASTING (FERROUS AND NON FERROUS CASTINGS)

CONTACT PERSON BUTCH GRIFFITHS

SPECIAL INSPECTION REPORT

INSPECTOR	DATE	FINDINGS	NC or NOV	REPORT DATE	CHECKED BY
Victor Yip	09/16/99			09/21/99	
		THE ANNUAL INSPECTION WAS DONE WITH JOHN, PRESIDENT, OF THE			
		FACILITY. THE COMPANY IS A METAL CASTING COMPANY THAT CASTS			
		ALUMINUM BRONZE, STEEL, AND ALUMINUM. IT OPERATES TWO CRUCIBLE			
		FURNACES, TWO CORE OVENS, TWO BURN-OFF OVENS WITH AFTERBURNERS,			
		2 ABRASIVE BLAST MACHINES, SAND HANDLING EQUIPMENT, AND AN			
		ELECTRICAL FURNACE. THE COMPANY IS UNDER APPLICATION TO CHANGE			
		THE LIMIT OF CATALYST ADDED TO THE SAND MIXER UNDER P/O F8378. THE			
		CURRENT LIMIT IS .15 POUNDS IN ANY ONE DAY. THE FACILITY IS REQUESTING			
		THAT THE CONDITION BE INCREASED TO MEET HIGHER DEMANDS FOR			
		PRODUCTION. RECORD WERE SHOWN TO COMPLY WITH THIS LIMIT UNTIL			
		THE CONDITION IS CHANGED. CONDITIONS 3, 4, 5 WERE SHOWN TO BE IN			
		COMPLIANCE AFTER REVIEW OF THE BATCH RECORDS FOR THE AMOUNT OF SAND			
		PROCESSED IN THE MIXER. THE TWO ABRASIVE BLAST MACHINES UNDER			
		P/O 41230 AND P43103 ARE VENTED TO BAGHOUSES P/O P47904 AND P43104			
		AND WERE IN GOOD OPERATING ORDER. THREE MELTING FURNACES			
		UNDER P/O P8090, P13066, AND M21043 WERE NOT IN OPERATION. NO COPPER			
		IS PROCESSED IN ANY OF THE FURNACES. ALSO, ALL METALS ARE CLEANED			
		BEFORE IT IS RECEIVED BY THE COMPANY. THE TWO WAX BURN-OUT OVENS			

ZIP CODE**TEL**

CITY

CONTACT PERSON

Page 2



South Coast Air Quality Management District

Facility Equipment List Report

Run Date : 11/22/2000 10:10 AM

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC Last Inspection: 11/07/2000 SIC: 3365 Inspector: VY01 VICTOR YIP Inspection Date: 11/07/2000 Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector: PG Mailing Address: Instruction: NC#C66660 ISSUED FOR H&S 42303	MR: 0504 TS: Facility Status: Active Assignment No. 632181 Disposition: Notice To Comply	Contact: B. L. GRIFFITHS (909) 3929656 Quarter: 0010 - inspect in 3rd quarter, every year On Hold: Facility Team: J Suspended:
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RECLAIM: N	TITLE V: N	SIP:	AIR:				Application Date	Application Status
Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description			
✓ 329050	F21771	08/23/1999	ACTIVE	00019 BCAT	WAX BURN-OFF OVEN		06/13/199	PERMIT TO OPERATE GRANTED
✓ 327210	F8378	07/24/1997	ACTIVE	00030 BCAT	FOUNDRY SAND MOLD, COLD FORMING PROC		04/17/199	PERMIT TO OPERATE GRANTED
✓ 218982	D37211	03/29/1991	ACTIVE	00019 BCAT	WAX BURN-OFF OVEN		12/19/198	PERMIT TO OPERATE GRANTED
✓ 161549	M63308	05/14/1988	ACTIVE	00026 BCAT	OVEN, SCREEN PRINTING		10/09/198	PERMIT TO OPERATE GRANTED
✓ C23239	M21043	02/12/1982	ACTIVE	00133 BCAT	FURNACE ELECT IND & RES IRON-STEEL		01/01/199	PERMIT TO OPERATE GRANTED
✓ C23239	M21043	02/12/1982	ACTIVE	21 CCAT	BAGHOUSE		01/01/199	PERMIT TO OPERATE GRANTED
- C05608	M05178	08/30/1978	INACTIVE	00026 BCAT	CORE OVEN		01/01/199	PERMIT TO OPERATE GRANTED
- C05603	M05075	08/30/1978	INACTIVE	00026 BCAT	CORE OVEN		01/01/190	PERMIT TO OPERATE GRANTED
- C05604	M05175	08/30/1978	INACTIVE	00026 BCAT	CORE OVEN		01/01/190	PERMIT TO OPERATE GRANTED
- C05605	M05176	08/30/1978	INACTIVE	00026 BCAT	CORE OVEN		01/01/190	PERMIT TO OPERATE GRANTED
- C05607	M05177	08/30/1978	INACTIVE	00026 BCAT	CORE OVEN		01/01/190	PERMIT TO OPERATE GRANTED
- C05609	M05179	08/30/1978	INACTIVE	00026 BCAT	CORE OVEN		01/01/190	PERMIT TO OPERATE GRANTED
- C05610	M05180	08/30/1978	INACTIVE	00026 BCAT	CORE OVEN		01/01/190	PERMIT TO OPERATE GRANTED
- C05611	M05181	08/30/1978	INACTIVE	00026 BCAT	CORE OVEN		01/01/190	PERMIT TO OPERATE GRANTED
✓ C05606	M05506	07/28/1978	ACTIVE	00026 BCAT	CORE OVEN		01/01/199	PERMIT TO OPERATE GRANTED
✓ A57595	P47904	12/20/1971	ACTIVE	00133 BCAT	FURNACE ELECT IND & RES IRON-STEEL		01/01/199	PERMIT TO OPERATE GRANTED
✓ A57595	P47904	12/20/1971	ACTIVE	21 CCAT	BAGHOUSE		01/01/199	PERMIT TO OPERATE GRANTED
- A56885	P47903	12/20/1971	INACTIVE	00133 BCAT	FURNACE ELECT IND & RES IRON-STEEL		01/01/190	PERMIT TO OPERATE GRANTED
- A56885	P47903	12/20/1971	INACTIVE	21 CCAT	BAGHOUSE		01/01/190	PERMIT TO OPERATE GRANTED
✓ A56768	P43103	04/12/1971	ACTIVE	00028 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO		01/01/199	PERMIT TO OPERATE GRANTED
✓ A56768	P43103	04/12/1971	ACTIVE	22 CCAT	BAGHOUSE, AMBIENT TEMP (> 500 SQ FT)		01/01/199	PERMIT TO OPERATE GRANTED
✓ A56770	P43104	04/12/1971	ACTIVE	00028 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO		01/01/199	PERMIT TO OPERATE GRANTED
✓ A56770	P43104	04/12/1971	ACTIVE	22 CCAT	BAGHOUSE, AMBIENT TEMP (> 500 SQ FT)		01/01/199	PERMIT TO OPERATE GRANTED
✓ A25482	P13066	03/16/1966	ACTIVE	00101 BCAT	FURNACE CRUCIBLE BRASS YELLOW		01/01/199	PERMIT TO OPERATE GRANTED
✓ A25479	P08205	04/09/1965	ACTIVE	00026 BCAT	CORE OVEN		01/01/199	PERMIT TO OPERATE GRANTED
✓ A25483	P08090	03/30/1965	ACTIVE	00101 BCAT	FURNACE CRUCIBLE BRASS YELLOW		01/01/199	PERMIT TO OPERATE GRANTED
- A25484	P08091	03/30/1965	INACTIVE	00101 BCAT	FURNACE CRUCIBLE BRASS YELLOW		01/01/190	PERMIT TO OPERATE GRANTED

Inspector: VICTOR YIP  Date: 11/22/00 Reviewed By:  Date: 12-01-00

South Coast Air Quality Management District

Facility Equipment List Report

Run Date : 11/22/2000 10:10 AM

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC	MR: 0504	Contact: B. L. GRIFFITHS (909) 3929656
Last Inspection: 11/07/2000	TS:	Quarter: 0010 - inspect in 3rd quarter, every year
SIC: 3365	Facility Status: Active	On Hold: Suspended:
Inspector: VY01 VICTOR YIP	Assignment No. 632181	Facility Team: J
Inspection Date: 11/07/2000	Disposition: Notice To Comply	
Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector: PG		
Mailing Address:		
Instruction: NC#C66660 ISSUED FOR H&S 42303		

RECLAIM: N	TITLE V: N	SIP:	AIR:						
Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status		
✓ 027921	041230	10/17/1957	ACTIVE	00028 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO	01/01/199	PERMIT TO OPERATE GRANTED		
✓ 027921	041230	10/17/1957	ACTIVE	21 CCAT	BAGHOUSE	01/01/199	PERMIT TO OPERATE GRANTED		
✓ 002135	001849	08/07/1950	INACTIVE	00160 BCAT	FURNACE REVERB ALUMINUM	01/01/190	PERMIT TO OPERATE GRANTED		
299980				66607 BCAT	RULE 1125 (b)(3) COMPLIANCE PLAN	01/12/199	BANKING/ PLAN GRANTED		

Report:

I visited the above company on 11/07/2000 and met with Mr. Roland Meckel, President, to conduct an annual compliance inspection. The company is a foundry that melts aluminum, steel, and aluminum-bronze. We began the walkthrough inspection at the machining department where two abrasive blast cabinets are located and permitted with P/O P43103 and P43104. The units are vented to one baghouse (P43104). Both units were in operation but are not bound by operating conditions. The abrasive blast media used is steel shot and complies with R. 1140 for confined abrasive blasting. Next I verified operation of one sand core mixer with P/O F8378. Condition #3, 4, and 5 limits the amount of material processed to no more than 3,800 pounds in any one day, no more than 49.4 pounds of resin in any one day, and no more than .15 pounds of catalyst in any one day. Operating logs shows the recipe of each batch to be 76 pounds of sand with .99 pounds of Chem-rez LA Resin and .12 pounds of catalyst per batch. Records show that the company mixes an average of 30 batches per day. I proceeded to the foundry where one core furnace (M63308) was operating. P/O conditions require that the temperature of the afterburner be maintained above 1200 Deg. F. when the interanal oven is operating between 400 and 800 Deg. F. The unit was found operating at 548 Deg. F with the afterburner at 386 Deg. F. I verified that approximately 10 cores were inside of the unit. Mr. Meckel explained that the cores were being heated at that no wax burn-off was conducted. I determined that since no burn-off was being conducted at the time, the temperature limit was not violated. The company operates two newer wax burn-off furnaces (F21771 & D37211). P/O conditions for F21771 limit the operation of the unit to no more than 8 hours per day and that the temperature in the afterburner be at least 1400 Deg. F when the oven temperature is 1200 Deg. or higher. I verified that the oven was operating at 800 Deg. F and the afterburner was not in operation (compliant with P/O conditions). P/O D37211 conditions require that the afterburner be maintained at 1400 Deg. F. with the oven is between 400 and 1000 Deg. F. I verified that the oven was operating at 1655 Deg. F and the afterburner was operating at 2400 Deg. F. The company operates three 300-pound aluminum furnaces used to melt aluminum ingot [exempt from P/O R. 219(e)(2)], 2 240-pound brass melting furnaces (P13066 & P8090) used to melt aluminum-bronze (no yellow brass is melted in the facility), and 1 steel melting furnace 300-pound capacity. I was not able to determine the composition of the aluminum-bronze to verify permit conditions. I asked Mr. Meckel to provide the metal certifications for both aluminum and aluminum-bronze in order to verify compliance with P/O conditions and R. 219 exemption. NC#C66660 was issued to the company to provide records of the total melt for all metals and provide certifications for all metals used at the facility. I will determine compliance with R. 1407 and 203(b) upon follow-up inspection. The company has violated R. 203(b) for exceeding the limit of catalyst use allowed per day. Mr. Meckel provided information regarding a change of permit condition dated 9/12/1997. I issued the company NC#C66664 (11/21/00) to apply for a change of permit condition.

Inspector: Victor Yip

Date: 11/22/00

Reviewed By: _____

Date: _____

South Coast Air Quality Management District

Facility Equipment List Report

Run Date : 08/28/2002 10:02 AM

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC
 Last Inspection: 11/07/2000
 SIC: 3365
 Inspector: ED01 ERWIN DELACRUZ
 Inspection Date: 08/20/2002
 Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector: PG
 Mailing Address:
 Instruction:

MR: 0504
 TS: TS11 - Sector
 Facility Status: Active
 Assignment No. 721752

Contact: B. L. GRIFFITHS (909) 3929656
 Quarter: 0010 - inspect in 3rd quarter, every year
 On Hold:
 Facility Team: J
 Suspended:

Disposition: Operating in Compliance at time of inspection

RECLAIM: N	TITLE V: N	SIP:	AIR:				
Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status
✓ 027921	041230	10/17/1957	ACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
✓ 027921	041230	10/17/1957	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO	01/01/1990	PERMIT TO OPERATE GRANTED
✓ 161549	M63308	05/14/1988	ACTIVE	000268 BCAT	OVEN, SCREEN PRINTING	10/09/1987	PERMIT TO OPERATE GRANTED
✓ 218982	D37211	03/29/1991	ACTIVE	000198 BCAT	WAX BURN-OFF OVEN	12/19/1989	PERMIT TO OPERATE GRANTED
299980				666072 BCAT	RULE 1125 (b)(3) COMPLIANCE PLAN	01/12/1995	BANKING/ PLAN GRANTED
✓ 329050	F21771	08/23/1999	ACTIVE	000198 BCAT	WAX BURN-OFF OVEN	06/13/1997	PERMIT TO OPERATE GRANTED
✓ 377371	F45305	10/13/2001	ACTIVE	000306 BCAT	FOUNDRY SAND MOLD, COLD FORMING PROC	11/28/2000	PERMIT TO OPERATE GRANTED
✓ A25479	P08205	04/09/1965	ACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A25482	P13066	03/16/1966	ACTIVE	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A25483	P08090	03/30/1965	ACTIVE	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56768	P43103	04/12/1971	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56768	P43103	04/12/1971	ACTIVE	22 CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56770	P43104	04/12/1971	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56770	P43104	04/12/1971	ACTIVE	22 CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A57595	P47904	12/20/1971	ACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A57595	P47904	12/20/1971	ACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
✓ C05606	M05506	07/28/1978	ACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
✓ C23239	M21043	02/12/1982	ACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
✓ C23239	M21043	02/12/1982	ACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED

Report: Compliance inspection was conducted on 08/20/2002 with Roland Meckel, President. The company is a foundry that melts aluminum, steel, and aluminum-bronze. Facility has 13 permits for 7 furnaces, 2 abrasive blasting rooms, 2 baghouses, 1 shell core machine and 1 mixer. During the inspection, 1 oven (D37211), mixer (F45305), 1 abrasive blasting (P43103) and baghouse (P43104) were operating. D37211 has a condition that afterburner shall be maintained at a minimum temperature of 1400 °F when oven is operating at 400 - 1000 °F. Oven was operating at 500 °F and afterburner was operating at 1600 °F. F45305 has conditions that mixer shall not process more than 3,800 pounds in any one day and that amount of resin shall not exceed 49.4 pounds in any one day. Record shows that materials processed range from 1,248 to 2,730 pounds a day and amount of resin range from 16 to 35 pounds a day. Facility has two 300 pound furnaces, exempt per R. 219(e)(2). Facility also has a McKenna Boiler rated at 1.060 MMBTU and manufactured in year 2002. Boiler is certified to emit less than 30 ppm NOx and less than 100 ppm of CO. Facility was found in compliance with R. 1140, 1146.2, 222, and 203(b).

South Coast Air Quality Management District

Facility Equipment List Report

Run Date 09/03/2003 02:51 PM

Facility 13030 MODERN PATTERN & FOUNDRY CO INC	MR 0504	Contact B L GRIFFITHS (909) 3929656
Last Inspection 11/07/2000	TS TS-11 Industrial Sector-base	Quarter 0010 - inspect in 3rd quarter every year
SIC 3365	Facility Status Active	On Hold Suspended
Inspector ED01 ERWIN DELACRUZ	Assignment No 782845	Facility Team J
Inspection Date 08/26/2003	Disposition Operating in Compliance at time of inspection	
Location Address 5610 ALCOA AVE VERNON 90058-3793 Sector PG		
Mailing Address		
Instruction		

RECLAIM N		TITLE V N		SIP		AIR		Application Date	Application Status
Application No	Permit No	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description				
299980				666072 BCAT	RULE 1125 (b)(3) COMPLIANCE PLAN			01/12/1995	BANKING/ PLAN GRANTED
✓ 377371	F45305	10/13/2001	ACTIVE	000306 BCAT	FOUNDRY SAND MOLD COLD FORMING PROC			11/28/2000	PERMIT TO OPERATE GRANTED
✓ 329050	F21771	08/23/1999	ACTIVE	000198 BCAT	WAX BURN-OFF OVEN			06/13/1997	PERMIT TO OPERATE GRANTED
327210	F8378	07/24/1997	INACTIVE	000306 BCAT	FOUNDRY SAND MOLD COLD FORMING PROC			04/17/1997	PERMIT TO OPERATE GRANTED
✓ 218982	D37211	03/29/1991	ACTIVE	000198 BCAT	WAX BURN-OFF OVEN			12/19/1989	PERMIT TO OPERATE GRANTED
✓ 161549	M63308	05/14/1988	ACTIVE	000268 BCAT	OVEN SCREEN PRINTING			10/09/1987	PERMIT TO OPERATE GRANTED
✓ C23239	M21043	02/12/1982	ACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL			01/01/1990	PERMIT TO OPERATE GRANTED
✓ C23239	M21043	02/12/1982	ACTIVE	21 CCAT	BAGHOUSE			01/01/1990	PERMIT TO OPERATE GRANTED
C05608	M05178	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN			01/01/1990	PERMIT TO OPERATE GRANTED
C05603	M05075	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN			01/01/1990	PERMIT TO OPERATE GRANTED
C05604	M05175	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN			01/01/1990	PERMIT TO OPERATE GRANTED
C05605	M05176	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN			01/01/1990	PERMIT TO OPERATE GRANTED
C05607	M05177	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN			01/01/1990	PERMIT TO OPERATE GRANTED
C05609	M05179	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN			01/01/1990	PERMIT TO OPERATE GRANTED
C05610	M05180	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN			01/01/1990	PERMIT TO OPERATE GRANTED
C05611	M05181	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN			01/01/1990	PERMIT TO OPERATE GRANTED
✓ C05606	M05506	07/28/1978	ACTIVE	000262 BCAT	CORE OVEN			01/01/1990	PERMIT TO OPERATE GRANTED
✓ A57595	P47904	12/20/1971	ACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL			01/01/1990	PERMIT TO OPERATE GRANTED
✓ A57595	P47904	12/20/1971	ACTIVE	21 CCAT	BAGHOUSE			01/01/1990	PERMIT TO OPERATE GRANTED
A56885	P47903	12/20/1971	INACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL			01/01/1990	PERMIT TO OPERATE GRANTED
A56885	P47903	12/20/1971	INACTIVE	21 CCAT	BAGHOUSE			01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56768	P43103	04/12/1971	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO			01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56768	P43103	04/12/1971	ACTIVE	22 CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)			01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56770	P43104	04/12/1971	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO			01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56770	P43104	04/12/1971	ACTIVE	22 CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)			01/01/1990	PERMIT TO OPERATE GRANTED
✓ A25482	P13066	03/16/1966	ACTIVE	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW			01/01/1990	PERMIT TO OPERATE GRANTED
✓ A25479	P08205	04/09/1965	ACTIVE	000262 BCAT	CORE OVEN			01/01/1990	PERMIT TO OPERATE GRANTED

Inspector *Ed Delacruz*

Date *09/03/03*

Reviewed By *DL*

Date *01/16/03*

South Coast Air Quality Management District

Facility Equipment List Report

Run Date 09/03/2003 02:51 PM

Facility 13030 MODERN PATTERN & FOUNDRY CO INC	MR 0504	Contact B L GRIFFITHS (909) 3929656
Last Inspection 11/07/2000	TS TS-11 Industrial Sector-base	Quarter 0010 - inspect in 3rd quarter every year
SIC 3365	Facility Status Active	On Hold Suspended
Inspector ED01 ERWIN DELACRUZ	Assignment No 782845	Facility Team J
Inspection Date 08/26/2003	Disposition Operating in Compliance at time of inspection	
Location Address 5610 ALCOA AVE VERNON 90058-3793 Sector PG		
Mailing Address		
Instruction		

RECLAIM N	TITLE V N	SIP	AIR				
Application No	Permit No	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status
✓ A25483	P08090	03/30/1965	ACTIVE	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
A25484	P08091	03/30/1965	INACTIVE	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
✓ 027921	041230	10/17/1957	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO	01/01/1990	PERMIT TO OPERATE GRANTED
✓ 027921	041230	10/17/1957	ACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
002135	001849	08/07/1950	INACTIVE	001600 BCAT	FURNACE REVERB ALUMINUM	01/01/1990	PERMIT TO OPERATE GRANTED

Report Compliance inspection was conducted on 08/26/2003 with Roland Meckel President The company is a foundry that melts aluminum, steel, and aluminum-bronze Facility has 13 permits for 7 furnaces, 2 abrasive blasting rooms, 2 baghouses, shell core machine and 1 mixer During the inspection, abrasive blasting cabinet (P43103) and air pollution control device (P43104) were operating, everything else was not in operation I verified that there were no changes to any of the permitted equipment and equipment list F45305 limits mixer to total amount of material processed not to exceed 3 800 pounds and amount of resin not to exceed 49 4 pounds in any one day Records indicate that mixer process 1 900 to 3,000 pounds of total material and 25 to 35 pounds of resin in any one day Furnaces are permitted with temperature limit but I could not verify because the units were not operating Facility has a McKenna Boiler rated at 1 060 MMBTU, year 2002 Facility was found in compliance with R 1146 2 1140 and 203(b)

South Coast Air Quality Management District

Facility Equipment List Report

Run Date : 06/22/2005 02:38 PM

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC Last Inspection: 06/07/2005 SIC: 3365 Inspector: ED01 ERWIN DELACRUZ Inspection Date: 06/07/2005 Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector: PG Mailing Address: Instruction:	MR: 0504 TS: TS-11 Industrial: Sector-base Facility Status: Active Assignment No. 890517 Disposition: Operating in Compliance at time of inspection	Contact: B. L. GRIFFITHS (909) 3929656 Quarter: 0010 - inspect in 3rd quarter, every year On Hold: Facility Team: J Suspended:
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RECLAIM: N		TITLE V: N		SIP:		AIR:	
Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status
299980				666072 BCAT	RULE 1125 (b)(3) COMPLIANCE PLAN	01/12/1995	BANKING/ PLAN GRANTED
✓ 422609	F65135	12/18/2003	ACTIVE	74 CCAT	BAGHOUSE, AMBIENT TEMP (<=100 SQ FT)	12/09/2003	PERMIT TO OPERATE GRANTED
✓ 421310	F65060	12/18/2003	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO	10/28/2003	PERMIT TO OPERATE GRANTED
✓ 377371	F45305	10/13/2001	ACTIVE	000306 BCAT	FOUNDRY SAND MOLD, COLD FORMING PROC	11/28/2000	PERMIT TO OPERATE GRANTED
✓ 329050	F21771	08/23/1999	ACTIVE	000198 BCAT	WAX BURN-OFF OVEN	06/13/1997	PERMIT TO OPERATE GRANTED
327210	F8378	07/24/1997	INACTIVE	000306 BCAT	FOUNDRY SAND MOLD, COLD FORMING PROC	04/17/1997	PERMIT TO OPERATE GRANTED
✓ 218982	D37211	03/29/1991	ACTIVE	000198 BCAT	WAX BURN-OFF OVEN	12/19/1989	PERMIT TO OPERATE GRANTED
✓ 161549	M63308	05/14/1988	ACTIVE	000268 BCAT	OVEN, SCREEN PRINTING	10/09/1987	PERMIT TO OPERATE GRANTED
✓ C23239	M21043	02/12/1982	ACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED
✓ C23239	M21043	02/12/1982	ACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
C05608	M05178	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05603	M05075	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05604	M05175	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05605	M05176	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05607	M05177	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05609	M05179	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05610	M05180	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05611	M05181	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
✓ C05606	M05506	07/28/1978	ACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A57595	P47904	12/20/1971	ACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A57595	P47904	12/20/1971	ACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
A56885	P47903	12/20/1971	INACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED
A56885	P47903	12/20/1971	INACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56768	P43103	04/12/1971	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56768	P43103	04/12/1971	ACTIVE	22 CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56770	P43104	04/12/1971	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56770	P43104	04/12/1971	ACTIVE	22 CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED

South Coast Air Quality Management District

Facility Equipment List Report

Run Date : 06/22/2005 02:38 PM

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC
 Last Inspection: 06/07/2005
 SIC: 3365
 Inspector: ED01 ERWIN DELACRUZ
 Inspection Date: 06/07/2005
 Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector: PG
 Mailing Address:
 Instruction:

MR: 0504
 TS: TS-11 Industrial: Sector-base
 Facility Status: Active
 Assignment No. 890517
 Disposition: Operating in Compliance at time of inspection
 Contact: B. L. GRIFFITHS (909) 3929656
 Quarter: 0010 - inspect in 3rd quarter, every year
 On Hold:
 Suspended:
 Facility Team: J

RECLAIM: N	TITLE V: N		SIP:	AIR:			
Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status
✓ A25482	P13066	03/16/1966	ACTIVE	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A25479	P08205	04/09/1965	ACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A25483	P08090	03/30/1965	ACTIVE	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
A25484	P08091	03/30/1965	INACTIVE	001010 BCAT	FURNACE CRUCIBLE BRASS YELLOW	01/01/1990	PERMIT TO OPERATE GRANTED
✓ 027921	041230	10/17/1957	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO	01/01/1990	PERMIT TO OPERATE GRANTED
✓ 027921	041230	10/17/1957	ACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
002135	001849	08/07/1950	INACTIVE	001600 BCAT	FURNACE REVERB ALUMINUM	01/01/1990	PERMIT TO OPERATE GRANTED

Report: Compliance inspection was conducted on 06/07/2005 with Roland Meckel, President. The company is a foundry that melts aluminum, steel, and aluminum-bronze. Facility has 13 permits for 7 furnaces, 2 abrasive blasting rooms, 2 baghouses, shell core machine and 1 mixer. During the inspection, units were not operating because employees were on their break. I verified that there were no changes to any of the permitted equipment. F45305 limits mixer to total amount of material processed not to exceed 3,800 pounds and amount of resin not to exceed 49.4 pounds in any one day. Records indicate that mixer process 1,140 to 3,200 pounds of total material and 15 to 42 pounds of resin in any one day. Furnaces are permitted with temperature limit but I could not verify because the units were not operating. Facility has a McKenna Boiler, rated at 1.060 MMBTU, year 2002. Facility was found in compliance with R. 1146.2, 1140, and 203(b).

E. del Cruz

Date: 06/22/05

Reviewed By:

CH

Date: 7-5-05

Page 2 of 2

South Coast Air Quality Management District

Facility Equipment List Report

Run Date : 10/13/2006 05:04 PM

Facility: 13030 MODERN PATTERN & FOUNDRY CO INC MR: 0504 Contact: B. L. GRIFFITHS (909) 3929656
 Last Inspection: 10/05/2006 TS: TS-11 Industrial: Sector-base Quarter: 0010 - inspect in 3rd quarter, every year
 SIC: 3365 Facility Status: Active On Hold: Suspended:
 Inspector: ED01 ERWIN DELACRUZ Assignment No. 960545 Facility Team: J
 Inspection Date: 10/05/2006 Disposition: Operating in Compliance at time of inspection
 Location Address: 5610 ALCOA AVE, VERNON 90058-3793 Sector: PG
 Mailing Address:
 Instruction:

RECLAIM: N	TITLE V: N	SIP:	AIR:				
Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status
299980				666072 BCAT	RULE 1125 (b)(3) COMPLIANCE PLAN	01/12/1995	BANKING/ PLAN GRANTED
✓ 422609	F65135	12/18/2003	ACTIVE	74 CCAT	BAGHOUSE, AMBIENT TEMP (<=100 SQ FT)	12/09/2003	PERMIT TO OPERATE GRANTED
✓ 421310	F65060	12/18/2003	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO	10/28/2003	PERMIT TO OPERATE GRANTED
✓ 377371	F45305	10/13/2001	ACTIVE	000306 BCAT	FOUNDRY SAND MOLD, COLD FORMING PROC	11/28/2000	PERMIT TO OPERATE GRANTED
✓ 329050	F21771	08/23/1999	ACTIVE	000198 BCAT	WAX BURN-OFF OVEN	06/13/1997	PERMIT TO OPERATE GRANTED
327210	F8378	07/24/1997	INACTIVE	000306 BCAT	FOUNDRY SAND MOLD, COLD FORMING PROC	04/17/1997	PERMIT TO OPERATE GRANTED
✓ 218982	D37211	03/29/1991	ACTIVE	000198 BCAT	WAX BURN-OFF OVEN	12/19/1989	PERMIT TO OPERATE GRANTED
✓ 161549	M63308	05/14/1988	ACTIVE	000268 BCAT	OVEN, SCREEN PRINTING	10/09/1987	PERMIT TO OPERATE GRANTED
✓ C23239	M21043	02/12/1982	ACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED
✓ C23239	M21043	02/12/1982	ACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
C05608	M05178	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05603	M05075	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05604	M05175	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05605	M05176	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05607	M05177	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05609	M05179	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05610	M05180	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
C05611	M05181	08/30/1978	INACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
✓ C05606	M05506	07/28/1978	ACTIVE	000262 BCAT	CORE OVEN	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A57595	P47904	12/20/1971	ACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A57595	P47904	12/20/1971	ACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
A56885	P47903	12/20/1971	INACTIVE	001330 BCAT	FURNACE ELECT IND & RES IRON-STEEL	01/01/1990	PERMIT TO OPERATE GRANTED
A56885	P47903	12/20/1971	INACTIVE	21 CCAT	BAGHOUSE	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56768	P43103	04/12/1971	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56768	P43103	04/12/1971	ACTIVE	22 CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56770	P43104	04/12/1971	ACTIVE	000284 BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROO	01/01/1990	PERMIT TO OPERATE GRANTED
✓ A56770	P43104	04/12/1971	ACTIVE	22 CCAT	BAGHOUSE, AMBIENT TEMP (>500 SQ FT)	01/01/1990	PERMIT TO OPERATE GRANTED

Inspector

Edwin Delacruz

Date: 10/13/06

Reviewed By

AA

10/13/06

Run Date : 10/13/2006 05:04 PM

MR: 0504	Contact: B. L. GRIFFITHS (909) 3929656
TS: TS-11 Industrial: Sector-base	Quarter: 0010 - inspect in 3rd quarter, every year
Facility Status: Active	On Hold: Suspended:
Assignment No. 960545	Facility Team: J
Disposition: Operating in Compliance at time of inspection	

Report: Compliance inspection was conducted on 10/05/2006 with John Meckel, Vice President. The company is a foundry that melts aluminum and steel. Facility has 15 permits for 7 furnaces/ovens, 3 abrasive blasting cabinets, 3 baghouses, shell core machine and 1 sand mixer. I verified that there were no changes to any of the permitted equipment. P/O #F45305 limits the mixer to process no more than 3,800 pounds of total material and 49.4 pounds of resin in any one day. Records indicate that mixer process 1,200 to 2,900 pounds of total material and 16 to 37 pounds of resin in any one day. I verified that abrasive blasting cabinets were vented to air pollution control devices. Each air pollution control device was equipped with a mechanical gauge. Facility has a McKenna Boiler, rated at 1.060 MMBTU, year 2002. Unit is registered per R. 222(b) Facility was found in compliance with R. 203(b), 222(b), 1140, and 1146.2.

SCAQMD 2010b

**South Coast Air Quality Management District, Modern Pattern & Foundry
Co. Inc., Facility Information Detail (FIND),
http://www.aqmd.gov/webappl/fim/prog/emission.aspx?fac_id=13030, data
accessed June 13, 2010**

**Facility Information Detail (FIND)**[Search Again](#) | [Search Results](#) | [Facility Details](#) | [Equipment List](#) | [Compliance](#) | [Emissions](#) | [Hearing Board](#) | [Transportation](#)**Emissions**

Facility ID 13030
Company Name MODERN PATTERN & FOUNDRY CO INC
Address 5610 ALCOA AVE
VERNON, CA 90058

Select AER Year: 2001**Criteria Pollutants (Tons per Year):**

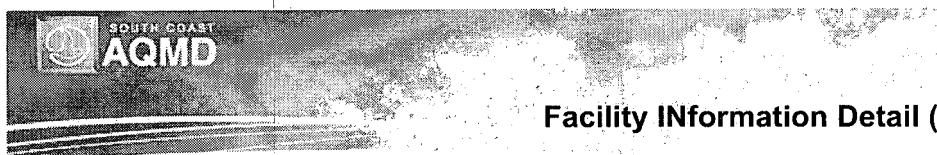
Pollutant ID	Pollutant Description	Annual Emissions
CO	Carbon Monoxide	0.060
NOX	Nitrogen Oxides	0.222
ROG	Reactive Organic Gases	0.012
SOX	Sulfur Oxides	0.001
TSP	Total Suspended Particulates	0.087

Toxic Pollutants (Pounds per Year):

Pollutant ID	Pollutant Description	Annual Emissions
71432	Benzene	0.027
50000	Formaldehyde	0.058
91203	Naphthalene	0.001
7440020	Nickel	7.500
1151	PAHs, total, with components not reported	0.000

Note - Data for 2007 represents the six-month transitional period, July through December 2007, when the rules requiring annual emissions reporting changed from a fiscal year to a calendar year basis.

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Emissions

Facility ID 13030
Company Name MODERN PATTERN & FOUNDRY CO INC
Address 5610 ALCOA AVE
VERNON, CA 90058
Select AER Year: 2003

Criteria Pollutants (Tons per Year):

Pollutant ID	Pollutant Description	Annual Emissions
CO	Carbon Monoxide	0.066
NOX	Nitrogen Oxides	0.247
ROG	Reactive Organic Gases	0.013
SOX	Sulfur Oxides	0.001
TSP	Total Suspended Particulates	0.095

Toxic Pollutants (Pounds per Year):

Pollutant ID	Pollutant Description	Annual Emissions
7664417	Ammonia	68.400
71432	Benzene	0.030
50000	Formaldehyde	0.064
91203	Naphthalene	0.001
7440020	Nickel	8.100
1151	PAHs, total, with components not reported	0.000

Note - Data for 2007 represents the six-month transitional period, July through December 2007, when the rules requiring annual emissions reporting changed from a fiscal year to a calendar year basis.



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Emissions

Facility ID 13030
Company Name MODERN PATTERN & FOUNDRY CO INC
Address 5610 ALCOA AVE
VERNON, CA 90058

Select AER Year: 2004

Criteria Pollutants (Tons per Year):

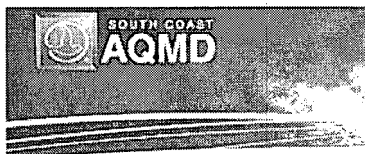
Pollutant ID	Pollutant Description	Annual Emissions
CO	Carbon Monoxide	0.083
NOX	Nitrogen Oxides	0.308
ROG	Reactive Organic Gases	0.016
SOX	Sulfur Oxides	0.001
TSP	Total Suspended Particulates	0.119

Toxic Pollutants (Pounds per Year):

Pollutant ID	Pollutant Description	Annual Emissions
75070	Acetaldehyde	0.020
107028	Acrolein	0.012
7664417	Ammonia	85.500
71432	Benzene	0.038
100414	ETHYL BENZENE	0.045
50000	Formaldehyde	0.080
110543	HEXANE	0.029
91203	Naphthalene	0.001
7440020	Nickel	1.012
1151	PAHs, total, with components not reported	0.000
108883	Toluene	0.173
1330207	Xylenes	0.129

Note - Data for 2007 represents the six-month transitional period, July through December 2007, when the rules requiring annual emissions reporting changed from a fiscal year to a calendar year basis.

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Emissions

Facility ID 13030
Company Name MODERN PATTERN & FOUNDRY CO INC
Address 5610 ALCOA AVE
VERNON, CA 90058
Select AER Year: 2006

Criteria Pollutants (Tons per Year):

Pollutant ID	Pollutant Description	Annual Emissions
CO	Carbon Monoxide	0.099
NOX	Nitrogen Oxides	0.370
ROG	Reactive Organic Gases	0.019
SOX	Sulfur Oxides	0.001
TSP	Total Suspended Particulates	0.131

Toxic Pollutants (Pounds per Year):

Pollutant ID	Pollutant Description	Annual Emissions
7664417	Ammonia	102.600
71432	Benzene	0.045
50000	Formaldehyde	0.096
91203	Naphthalene	0.001
1151	PAHs, total, with components not reported	0.000

Note - Data for 2007 represents the six-month transitional period, July through December 2007, when the rules requiring annual emissions reporting changed from a fiscal year to a calendar year basis.

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Facility ID 13030
Company Name MODERN PATTERN & FOUNDRY CO INC
Address 5610 ALCOA AVE
VERNON, CA 90058
Select AER Year:

Criteria Pollutants (Tons per Year):

Pollutant ID	Pollutant Description	Annual Emissions
CO	Carbon Monoxide	0.048
NOX	Nitrogen Oxides	0.178
ROG	Reactive Organic Gases	0.009
SOX	Sulfur Oxides	0.000
TSP	Total Suspended Particulates	0.819

Toxic Pollutants (Pounds per Year):

Pollutant ID	Pollutant Description	Annual Emissions
7664417	Ammonia	49.500
71432	Benzene	0.022
50000	Formaldehyde	0.046
91203	Naphthalene	0.000
1151	PAHs, total, with components not reported	0.000

Note - Data for 2007 represents the six-month transitional period, July through December 2007, when the rules requiring annual emissions reporting changed from a fiscal year to a calendar year basis.

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Appendix F
EPA Quick Reference Fact Sheet: *Site Assessment: Evaluating*
Risks at Superfund Sites



SITE ASSESSMENT: **Evaluating Risks at Superfund Sites**

Office of Emergency and Remedial Response
Hazardous Site Evaluation Division 5204G

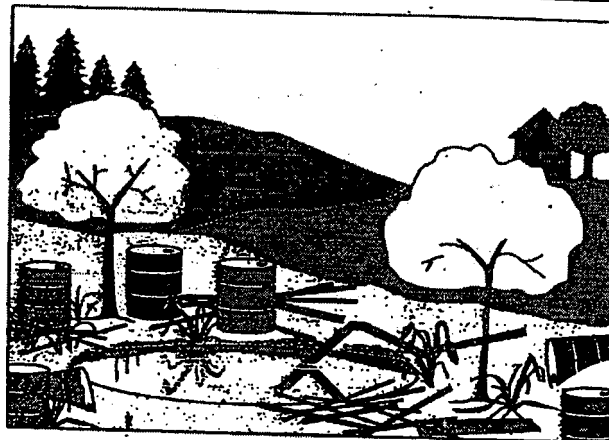
Quick Reference Fact Sheet

The Challenge of the Superfund Program

A series of headline-grabbing stories in the late 1970s, such as Love Canal, gave Americans a crash course in the perils of ignoring hazardous waste. At that time, there were no Federal regulations to protect the country against the dangers posed by hazardous substances (mainly industrial chemicals, accumulated pesticides, cleaning solvents, and other chemical products) abandoned at sites throughout the nation. And so, in 1980 Congress passed the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), commonly known as Superfund, to address these problems.

The major goal of the Superfund program is to protect human health and the environment by cleaning up areas, known as "sites," where hazardous waste contamination exists. The U.S. Environmental Protection Agency (EPA) is responsible for implementing the Superfund program.

At the time it passed the Superfund law, Congress believed that the problems associated with uncontrolled releases of hazardous waste could be



handled in five years with \$1.6 billion dollars. However, as more and more sites were identified, it became apparent that the problems were larger than anyone had originally believed. Thus, Congress passed the Superfund Amendments and Reauthorization Act (SARA) in 1986. SARA expanded and strengthened the authorities given to EPA in the original legislation and provided a budget of \$8.5 billion over five years. Superfund was extended for another three years in 1991.

What is EPA's Job at Superfund Sites?

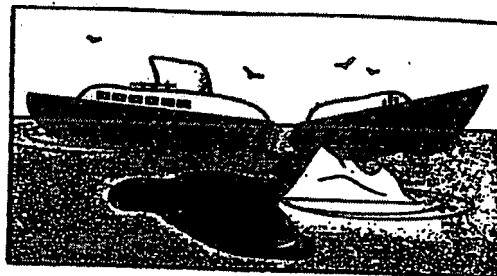
For more than 10 years, EPA has been implementing the Superfund law by:

- Evaluating potential hazardous waste sites to determine if a problem exists;
- Finding the parties who caused the hazardous waste problems and directing them to address these problems under EPA oversight or requiring them to repay EPA for addressing these problems; and
- Reducing immediate risks and tackling complex hazardous waste problems.

The Superfund site assessment process generally begins with the discovery of contamination at a site and ends with the completion of remediation (i.e., cleaning up the waste at a site) activities. This fact sheet explains the early part of the process, called the *site assessment* phase.

The National Response Center

The National Response Center (NRC), staffed by Coast Guard personnel, is the primary agency to contact for reporting all oil, chemical, and biological discharges into the environment anywhere in the U.S. and its territories. It is responsible for:



- ☛ Maintaining a telephone hotline 365 days a year, 24 hours a day;
- ☛ Providing emergency response support in specific incidents; and
- ☛ Notifying other Federal agencies of reports of pollution incidents.

To report a pollution incident, such as an oil spill, a pipeline system failure, or a transportation accident involving hazardous material, call the NRC hotline at 800-424-8802.

1

Site Discovery

Hazardous waste sites are discovered in various ways. Sometimes concerned residents find drums filled with unknown substances surrounded by dead vegetation and call the NRC, EPA, or the State environmental agency; or an anonymous caller to the NRC or EPA reports suspicious dumping activities. Many sites come to EPA's attention through routine inspections conducted by other Federal, State, or local government officials. Other sites have resulted from a hazardous waste spill or an explosion. EPA enters these sites into a computer system that tracks any future Superfund activities.

2

Preliminary Assessment

After learning about a site, the next step in the site assessment process is to gather existing information about the site. EPA calls this the *preliminary assessment*. Anyone can request that a preliminary assessment be performed at a site by petitioning EPA, the State environmental agency, local representatives, or health officials.

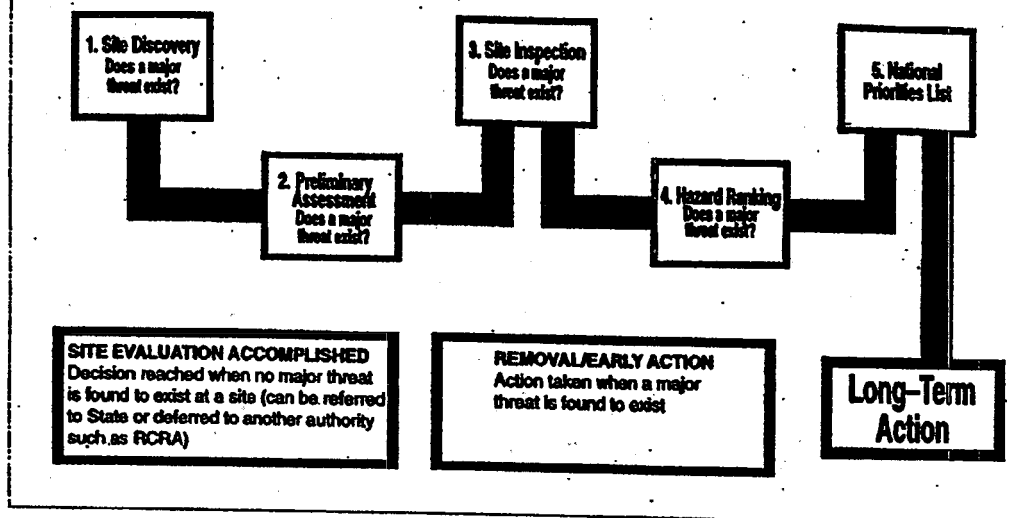
During the preliminary assessment, EPA or the State environmental agency:

- ◆ Reviews available background records;
- ◆ Determines the size of the site and the area around it;

- ◆ Tries to determine whether hazardous substances are involved;
- ◆ Identifies actual or potential pollution victims, such as the nearby population and sensitive environments;
- ◆ Makes phone calls or interviews people who may be familiar with the site; and
- ◆ Evaluates the need for early action using EPA's removal authority.

By gathering information and possibly visiting the site, EPA or the State environmental agency is able to determine if major threats exist and if cleanup is needed. Many times, the preliminary assessment indicates that no major threats exist.

The Site Assessment Process



However, if hazardous substances do pose an immediate threat, EPA quickly acts to address the threat. When a site presents an immediate danger to human health or the environment—for example, there is the potential for a fire or an explosion or the drinking water is contaminated as a result of hazardous substances leaking out of drums—EPA can move quickly to address site contamination. This action is called a *removal* or an *early action*. Additional information on early actions can be found on page 4.

EPA or the State environmental agency then decides if further Federal actions are required. Of the more than 35,000 sites discovered since 1980, only a small percentage have needed further remedial action under the Federal program.

A report is prepared at the completion of the preliminary assessment. The report includes a description of any hazardous substance release, the possible source of the release, whether the contamination could endanger people or the environment, and the pathways of the release. The information outlined in this report is formed into hypotheses that are tested if further investigation takes place. You can request a copy of this report once it becomes final—just send your name and address to your EPA regional Superfund office. See page 8 for further information on these contacts.

Sometimes it is difficult to tell if there is contamination at the site based on the initial information gathering. When this happens, EPA moves on to the next step of the site assessment, called the *site inspection*.

Making Polluters Pay

One of the major goals of the Superfund program is to have the responsible parties pay for or conduct remedial activities at hazardous waste sites. To accomplish this goal, EPA:

- ◆ Researches and determines who is responsible for contaminating the site;
- ◆ Issues an order requiring the private parties to perform cleanup actions with EPA oversight; and
- ◆ Recovers costs that EPA spends on site activities from the private parties.

Removals/Early Actions

EPA can take action quickly if hazardous substances pose an immediate threat to human health or the environment. These actions are called *removals* or *early actions* because EPA rapidly eliminates or reduces the risks at the site. EPA can take a number of actions to reduce risks, including:

- ◆ Fencing the site and posting warning signs to secure the site against trespassers;
- ◆ Removing, containing, or treating the source of the contamination;
- ◆ Providing homes and businesses with safe drinking water, and, as a last resort,
- ◆ Temporarily relocating residents away from site contamination.

"EPA can take action quickly if hazardous substances pose an immediate threat to human health or the environment."

3

Site Inspection

If the preliminary assessment shows that hazardous substances at the site may threaten residents or the environment, EPA performs a site inspection. During the site inspection, EPA or the State collects samples of the suspected hazardous substances in nearby soil and water. EPA may initiate a concurrent SI/remedial investigation at those sites that are most serious and determined early as requiring long-term action. Sometimes, wells have to be drilled to sample the ground water. Site inspectors may wear protective gear, including coveralls and respirators, to protect themselves against any hazardous substances present at the site. Samples collected during the site inspection are sent to a laboratory for analysis to help EPA answer many questions, such as:

- ◆ Are hazardous substances present at the site? If so, what are they, and approximately

how much of each substance is at the site?

- ◆ Have these hazardous substances been released into the environment? If so, when did the releases occur, and where did they originate?
- ◆ Have people been exposed to the hazardous substances? If so, how many people?
- ◆ Do these hazardous substances occur naturally in the immediate area of the site? At what concentrations?
- ◆ Have conditions at the site gotten worse since the preliminary assessment? If so, is an early action or removal needed? (See box above.)

Often, the site inspection indicates that there is no release of major contamination at the site, or that the hazardous substances are safely contained and have no possibility of being released into the environment. In these situations, EPA decides that no further Federal inspections or remedial actions are needed. This decision is referred to as *site evaluation accomplished*. (See page 5 for more details on the *site evaluation accomplished* decision.)

At the completion of the site inspection, a report is prepared. This report is available to the public—call your EPA regional Superfund office for a copy. See page 8 for the phone numbers of these offices.

"During the site inspection, EPA or the State collects samples of the suspected hazardous substances in nearby soil and water."

At sites with particularly complex conditions, EPA may need to perform a second SI to obtain legally defensible documentation of the releases.

Because EPA has limited resources, a method has been developed to rank the sites and set priorities throughout the nation. That method, known as the *Hazard Ranking System*, is the next step in the site assessment process.

4

Hazard Ranking System

EPA uses the information collected during the preliminary assessment and site inspection to evaluate the conditions at the site and determine the need for long-term remedial actions. When evaluating the seriousness of contamination at a site, EPA asks the following questions:

- ◆ Are people or sensitive environments, such as wetlands or endangered species, on or near the site?
- ◆ What is the toxic nature and volume of waste at the site?
- ◆ What is the possibility that a hazardous substance is in or will escape into ground water, surface water, air, or soil?

Based on answers to these questions, each site is given a score between zero and 100. Sites that score 28.5 or above move to the next step in the process: listing on the *National Priorities List*. Sites that score below 28.5 are referred to the State for further action.

5

National Priorities List

Sites that are listed on the *National Priorities List* present a potential threat to human health and the environment, and require further study to determine what, if any, remediation is necessary. EPA can pay for and conduct

Site Evaluation Accomplished

In many instances, site investigators find that potential sites do not warrant Federal action under the Superfund program. This conclusion can be attributed to one of two reasons:

- ◆ The contaminants present at the site do not pose a major threat to the local population or environment; or
- ◆ The site should be addressed by another Federal authority, such as EPA's Resource Conservation and Recovery Act (RCRA) hazardous waste management program.

When investigators reach this conclusion, the site evaluation is considered accomplished. A site can reach this point at several places during the site assessment process, namely at the conclusion of the preliminary assessment or the site inspection, or once the site is scored under the Hazard Ranking System.

remedial actions at NPL sites if the responsible parties are unable or unwilling to take action themselves. There are three ways a site can be listed on the National Priorities List:

- ◆ It scores 28.5 or above on the Hazard Ranking System;
- ◆ If the State where the site is located gives it top priority, the site is listed on the National Priorities List regardless of the HRS score; or
- ◆ EPA lists the site, regardless of its score, because all of the following are true about the site:
 - ▼ The Agency for Toxic Substances and Disease Registry (ATSDR), a group within the U.S. Public Health Service, issues a health advisory recommending that the local population be *dissociated* from the site (i.e., that the people be temporarily relocated or the immediate public health threat be removed);
 - ▼ EPA determines that the site poses a significant threat to human health; and
 - ▼ Conducting long-term remediation activities will be more effective than

addressing site contamination through early actions.

The list of proposed sites is published in the *Federal Register*, a publication of legal notices issued by Federal agencies. The community typically has 60 days to comment on the list. After considering all comments, EPA publishes a list of those sites that are officially on the National Priorities List. When a site is added to the National Priorities List, the site assessment is completed. Long-term actions take place during the next phase. See page 6 for more details on long-term actions.

As a Concerned Citizen, How Can I Help?

- ☛ Read this fact sheet.
- ☛ Call EPA with any potential sites in your area.
- ☛ Provide EPA with site information.
- ☛ Comment on proposed listing of sites on the National Priorities List.
- ☛ If the site is listed on the NPL, work with your citizens' group to apply for a technical assistance grant.



Addressing Sites in the Long Term

Once a site is placed on the National Priorities List, it enters the long-term or remedial phase. The stages of this phase include:

- ✓ Investigating to fully determine the nature and extent of contamination at the site, which can include a public health assessment done by the ATSDR;
- ✓ Exploring possible technologies to address site contamination;
- ✓ Selecting the appropriate technologies—also called remedies;
- ✓ Documenting the selected remedies in a record of decision (ROD);
- ✓ Designing and constructing the technologies associated with the selected remedies;
- ✓ If necessary, operating and maintaining the technologies for several years (e.g., long-term treatment of ground water) to ensure safety levels are reached; and
- ✓ Deleting the site from the National Priorities List, completing Superfund's process and mission.



Some Commonly Asked Questions

Q: What exactly is a site?

A: EPA designates the area in which contamination exists as the "site." Samples are taken to define the area of contamination. At any time during the cleanup process the site may be expanded if contamination is discovered to have spread further.

Q: How long will it take to find out if a threat exists?

A: Within one year of discovering the site, EPA must perform a preliminary assessment. The preliminary assessment allows EPA to determine if there is an immediate danger at the site; if so, EPA takes the proper precautions. You will be notified if you are in danger. EPA may also contact you to determine what you know about the site.

Q: What is the State's role in all these investigations?

A: The State can take the lead in investigating and addressing contamination. It also provides EPA with background information on (1) immediate threats to the population or environment, and (2) any parties that might be responsible for site contamination. The State shares in the cost of any long-term actions conducted by the Superfund program, comments on the proposal of sites to the National Priorities List, and concurs on the selected remedies and final deletion of sites from the National Priorities List.

Q: Why are private contractors used to assess sites?

A: EPA has a limited workforce. By using private contractors, EPA is able to investigate more sites. Also, EPA is able to draw on the expertise of private contracting companies.

Q: Why are there so many steps in the evaluation process? Why can't you just take away all the contaminated materials right now, just to be safe?

A: When EPA assesses a site, it first determines if contamination poses any threats to the health of the local population and the integrity of the environment. Dealing with worst sites first is one of Superfund's national goals. By evaluating contamination in a phased approach, EPA can quickly identify sites that pose the greatest threats and move them through the site assessment process. Once EPA understands the conditions present at a site, it searches for the remedy that will best protect public health and the environment. Cost is only one factor in weighing equally protective remedies. Many sites do not warrant actions because no major threat exists. However, if a significant threat does exist, EPA will take action.

about Superfund Sites

Q: If a site is added to the National Priorities List, how will we know when EPA has completed the cleanup efforts?

A: EPA notifies the public and requests their comments on the actions proposed to treat site contaminants. In addition, the community is notified when a site will be deleted from the National Priorities List. The entire process can take as long as 7 years; at sites where ground water is contaminated, it can take even longer.

Q: I live next door to a site and I see EPA and contractor personnel wearing "moon suits." Am I safe?

A: EPA and contractor personnel wear protective gear because they might actually be handling hazardous materials. Also, these people are regularly exposed to contaminants at different sites and do not always know what contaminants they are handling. EPA takes steps to protect the public from coming in contact with the site contamination. If a dangerous situation arises, you will be notified immediately.

Q: If a site is added to the National Priorities List, who pays for the activities?

A: EPA issues legal orders requiring the responsible parties to conduct site cleanup activities under EPA oversight. If the parties do not cooperate, Superfund pays and files suit for reimbursement from responsible parties. The sources of this fund are taxes on the chemical and oil industries; only a small fraction of the fund is generated by income tax dollars.

Q: How can I get more information on any health-related concerns?

A: Contact your EPA regional Superfund office for more information. The ATSDR also provides information to the public on the health effects of hazardous substances. Ask your EPA regional Superfund office for the phone number of the ATSDR office in your region.

Q: How can I verify your findings? What if I disagree with your conclusions?

A: You can request copies of the results of the site assessment by writing to your EPA regional Superfund office. The public is given the opportunity to comment on the proposal of a site to the National Priorities List and the actions EPA recommends be taken at the site. If a site in your community is listed on the National Priorities List, a local community group may receive grant funds from EPA to hire a technical advisor. Call your EPA regional Superfund office (see page 8) for the location of an information repository and for information on applying for a technical assistance grant.

Q: How can I get further information? How can I get a list of the sites EPA has investigated?

A: Contact your EPA regional Superfund office (see page 8) for more information and a list of sites in your area.

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Important Phone Numbers

For information on the Superfund program or to report a hazardous waste emergency, call the national numbers below.

U.S. EPA Headquarters Hazardous Site Evaluation Division

- ☐ Site Assessment Branch
703-603-8860

Federal Superfund Program Information

- ☐ EPA Superfund Hotline
800-424-9346

Emergency Numbers:

Hazardous Waste Emergencies

- ☐ National Response Center
800-424-8802

ATSDR Emergency Response Assistance

- ☐ Emergency Response Line
404-639-0615

For answers to site-specific questions and information on opportunities for public involvement, contact your region's Superfund community relations office.

EPA Region 1: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont

- ☐ Superfund Community
Relations Section
617-565-2713

EPA Region 2: New Jersey, New York, Puerto Rico, Virgin Islands

- ☐ Superfund Community
Relations Branch
212-264-1407

EPA Region 3: Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, West Virginia

- ☐ Superfund Community
Relations Branch
800-438-2474

EPA Region 4: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee

- ☐ Superfund Site Assessment
Section
404-347-5065

EPA Region 5: Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin

- ☐ Office of Superfund
312-353-9773

EPA Region 6: Arkansas, Louisiana, New Mexico, Oklahoma, Texas

- ☐ Superfund Management
Branch, Information
Management Section
214-655-6718

EPA Region 7: Iowa, Kansas, Missouri, Nebraska

- ☐ Public Affairs Office
913-551-7003

EPA Region 8: Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming

- ☐ Superfund Community
Involvement Branch
303-294-1124

EPA Region 9: Arizona, California, Hawaii, Nevada, American Samoa, Guam

- ☐ Superfund Office of
Community Relations
800-231-3075

EPA Region 10: Alaska, Idaho, Oregon, Washington

- ☐ Superfund Community
Relations
206-553-2711